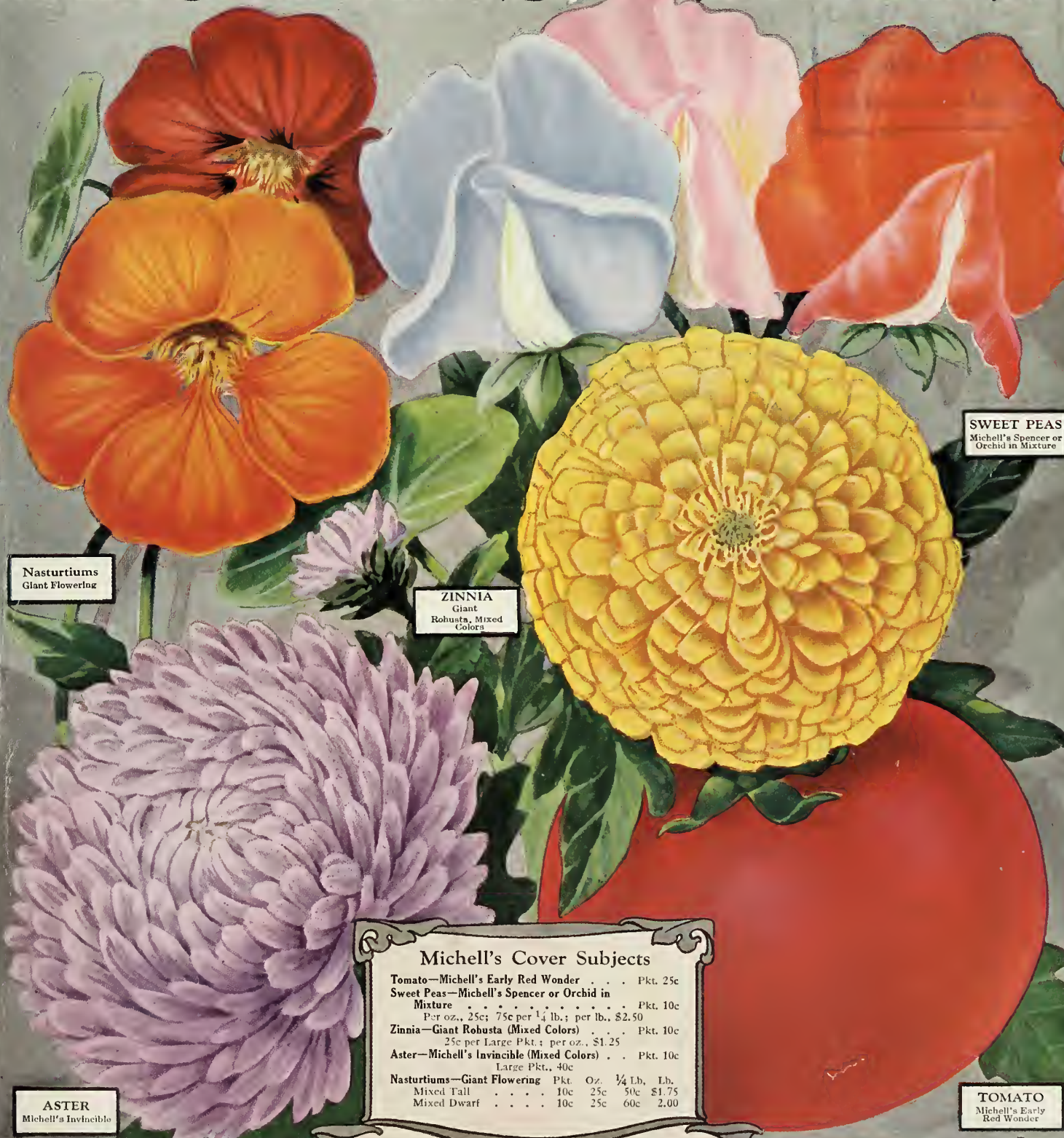


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MICHELL'S 1921 SEEDS



NASTURTIIUMS
Giant Flowering

ZINNIA
Giant
Robusta, Mixed
Colors

SWEET PEAS
Michell's Spencer or
Orchid in Mixture

ASTER
Michell's Invincible

TOMATO
Michell's Early
Red Wonder

Michell's Cover Subjects

Tomato—Michell's Early Red Wonder . . .	Pkt. 25c
Sweet Peas—Michell's Spencer or Orchid in Mixture . . .	Pkt. 10c
Per oz., 25c; 75c per 1/4 lb.; per lb., \$2.50	
Zinnia—Giant Robusta (Mixed Colors) . . .	Pkt. 10c
25c per Large Pkt.; per oz., \$1.25	
Aster—Michell's Invincible (Mixed Colors) . . .	Pkt. 10c
Large Pkt., 40c	
Nasturtiums—Giant Flowering . . .	Pkt. 10c
Mixed Tall . . .	10c 25c 50c \$1.75
Mixed Dwarf . . .	10c 25c 60c 2.00

Henry F. Michell Co., 518-516 Market St., Phila., Pa.



IMPORTANT ANNOUNCEMENT

Our growing business has made it necessary for us to again increase our facilities. This success we feel is largely due to the good will and loyalty of our many customers.

As the illustration shows, we have acquired the premises 516 Market Street which extends through to Ludlow Street adjoining our original property in the rear; giving us an additional 20,700 square feet of floor space in this four story and basement building, 23 feet wide and 180 feet deep.

The building has been thoroughly remodeled and every convenience installed for the rapid and accurate transaction of our business. The first floor is devoted to salesrooms and display, the second floor contains our offices and accounting departments, while the third and fourth floors are devoted to storage of merchandise; the new premises communicate with 518 Market Street on the west side on each floor.

FURTHER ANNOUNCEMENT

At American and Dauphin Streets, Philadelphia, we have acquired, through purchase, a modern warehouse, 68 feet x 130 feet, four stories high; this building is equipped with a railroad siding accommodating 2 cars which extends into the premises allowing us to load and unload under cover, at this point will be received and shipped the bulky items in our business, which should materially improve our facilities for shipping by freight.

These premises have been thoroughly renovated and modernized, and in connection therewith is our garage, enabling us to further concentrate our efforts which should mean better service.

You are cordially invited to inspect these new additions to our business whenever you can find it convenient to do so during our business hours, and in concluding let us thank you—(our customers) for making these facilities possible and necessary.

HENRY F. MICHELL CO.

Henry F. Michell { President
Secretary

Fred'k J. Michell { Vice President
Treasurer

518-516 Market St., Philadelphia

ORDER NO.

Date _____ 192_____ HENRY F. MICHELL CO., 518 Market St., PHILADELPHIA

Ship to _____ c/o _____

Street _____ P. O. Box _____

Post Office _____ R. F. D. No. _____

Freight or
Express Address.

County _____ State _____

Charge to _____ Charge Address _____

Please DO NOT Write in Space Above

[illegible]

Shipped Via and Date _____ IF OUT OF VARIETY ORDERED HAVE WE YOUR PERMISSION TO
SUBSTITUTE EQUAL OR BETTER IN NEAREST WE CAN SUPPLY?

[illegible]

PLEASE DO NOT ASK QUESTIONS ON THIS ORDER SHEET, BUT WRITE THEM, AND ALL COMMUNICATIONS REQUIRING AN ANSWER, ON A SEPARATE SHEET AND ENCLOSE WITH ORDER, TO INSURE A MORE SPEEDY REPLY.

HENRY F. MICHELL CO. give no warranty, expressed or implied, as to the description, purity or productiveness of any seeds, plants or bulbs they send out, and they cannot be in any way responsible for the crop. If the customer does not accept the goods on these terms, they can be returned at once.

[illegible]

(SEE OTHER SIDE)

IMPORTANT NOTICE

The prices published in this Catalog are those ruling at the time it went to press. If any reductions are made in the cost of merchandise, we shall cheerfully and promptly give our customers the benefit. It is better to print a Catalog with prices than without them, as omission thereof entails considerable correspondence to the buyer and the seller.

When remittance accompanies an order and it is in excess, the excess will be promptly refunded.

Bespeaking for ourselves your continued confidence.

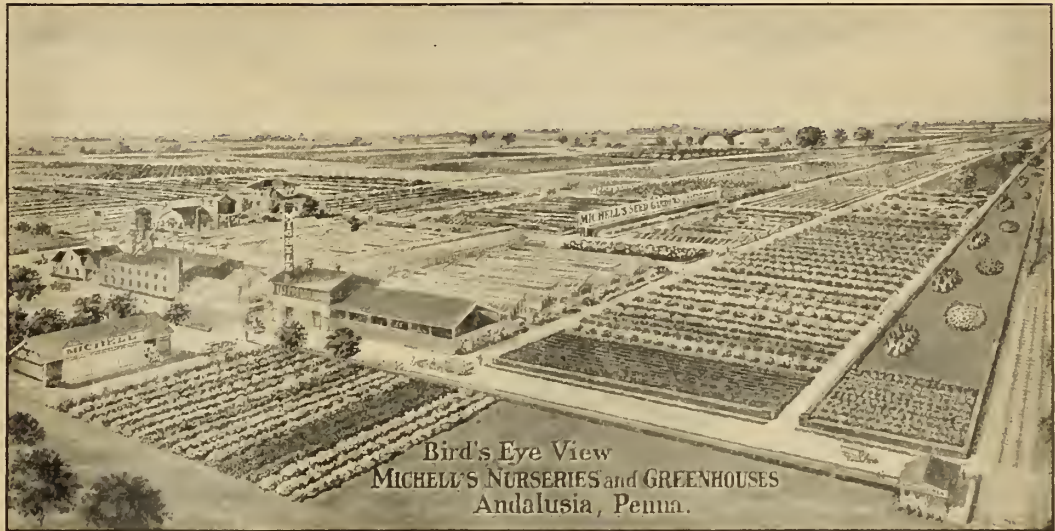
Respectfully,

HENRY F. MICHELL CO.

DIRECTIONS FOR ORDERING (SUGGESTIONS) 1 (INFORMATION)

CONDITIONS OF SALE

All contracts, sales and acknowledgments of orders are contingent upon crop failures, partial deliveries by growers or manufacturers, strikes, or other unavoidable causes beyond our control; also unsatisfactory credit standing. All quotations are subject to market changes and goods being unsold on receipt of order. Henry F. Michell Co. give no warranty, expressed or implied, as to the description, purity or productiveness of any seeds, plants or bulbs they send out, and they cannot be in any way responsible for the crop. If the customer does not accept the goods on these terms, they can be returned at once and no sale has been made.



PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their spring orders for **seeds, plants and bulbs** during January and February. Shipment need not be made until you want the goods.

PACKING CHARGES

No charge is made for boxes or packing, except for two-bushel seamless sacks, which are charged at market value; these bags are returnable for credit at the price charged. Any extra charges over actual postage on Parcels Post orders is for the extra packing required.

BUSINESS TERMS

If you desire to open a charge account please send us the names and addresses of two or more business houses with whom you have had past or present credit relations; this saves considerable time in the execution of your first charge order. We welcome desirable charge accounts, and you pay no more for your purchases by reason of this accommodation.

As to our responsibility, we refer you to **Dun's or Bradstreet's Mercantile Agency**, or any bank or trust company in the United States.

REGARDS C. O. D. SHIPMENTS

Goods can be sent C. O. D. (with the exception of perishable items, which include plants and cold-storage bulbs; these cannot be sent C. O. D.). No C. O. D. shipments for any kind of goods can be made by express or freight out of town unless a partial remittance accompanies the order. No C. O. D. orders where the amount is less than 50c., except in the following zone in Philadelphia: Market Street Ferry to Sixteenth Street, Pine Street to Vine Street, C. O. D. orders outside of this zone in our delivery limits must amount to \$1.00 or more. During April and May, owing to the heavy volume of business transacted, we are not in a position to accept orders for shipment C. O. D. unless a partial payment has been made on account.

SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment.

FORWARDING SERVICE

We deliver, postpaid to any Post Office in the United States, Vegetable and Flower Seeds in packets, ounces, and pounds, except where otherwise noted in the Catalogue. Agricultural Seeds, Implements, Fertilizers, and other heavy and bulky goods are sent by Express or Freight at purchaser's expense.

Plant orders should be separated from Seed orders, as they will usually be filled and shipped separately.

All Plants, Roots and Bulbs are forwarded by Express, purchaser paying charges.

For those of our customers who prefer to receive such goods by Parcel Post, we will be pleased to forward in this manner such plants as can be sent in this way at the following additional cost, which must be added to the value of each order for Plants, Roots or Bulbs:

To all points east of the Mississippi River, 10 per cent. extra, to cover postage and packing charges.

To all points west of the Mississippi River, 20 per cent. extra.

Poisons cannot be sent by Parcel Post; consult your P. O. for Parcel Post rates, based on weight of merchandise. Parcel Post weight limits are 70 lbs., including the 3rd zone, all other zones, 50 lbs.

SAFE ARRIVAL.—We guarantee the safe arrival of all goods sent to points within the United States except when shipped to points where there is no express or freight agent.

LOCAL DELIVERY.—Our automobile services covers most of Philadelphia, free delivery being confined to the following districts bounded as follows:

East. Delaware Ave., in central downtown. Front St., uptown.

North. Olney Ave. in the Old York Road district.

North. City Line in the Germantown and Chestnut Hill district.

Northwest. City Line in the Bala, Cynwyd, Wynnefield and Overbrook district.

West. 69th Street.

South. Shunk St. from Front St. to 69th St.

Ridge Ave. District. 35th and Lehigh Ave.

Please note the free delivery service does not include bulky quantities of fertilizers in over ¼ ton quantities. Special arrangements can however be made for delivery of these.

Shipment of goods can also be made by package service from Market and Chestnut St. Ferries, Broad St. Station, Reading Terminal and B. & O. R. R., at 24th and Chestnut Sts.

The tariff for shipments that can be made by this method on merchandise they will receive packed in one piece is as follows:

10 lbs. and under, 13c. 25 lbs. to 40 lbs., 25c.

10 lbs. to 25 lbs., 19c. 40 lbs. to 55 lbs., 32c.

War tax included.

Positions for Gardeners, Estate Superintendents, etc.

Frequently we have on our register the names of competent Gardeners, Superintendents, Greenskeepers, Coachmen, Farmers and Poultrymen who desire positions. We are always pleased to put them in communication with parties desiring services of such men. We are careful to recommend only reliable persons, and there is absolutely no charge for this service to employer or the one employed. Frederick J. Michell, Jr., is in charge of this department.

HENRY F. MICHELL CO.

518-516 Market St., Phila.

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MICHELL'S VEGETABLE SEED SPECIALTIES

In line with our usual custom, we have taken from our general list certain specially meritorious varieties of vegetable seeds, to which we call, on this and page 5, special attention. Planters will do well to include these sorts in their seed order.

BEAN—DWARF GREEN POD—Masterpiece

This is a large, flat podded variety, especially adapted for growing under glass, though it may be grown successfully outdoors; a very quick grower; plants robust; very prolific; pods long, handsome and very tender. Pkt., 15c.; 50c. per lb.; 2 lbs., 95c.

BEAN—POLE LIMA—Michell's Evergreen

A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt., 10c.; 45c. per lb.; 2 lbs. for 85c., \$1.80 for 5 lbs.; 10 lbs., \$3.40; \$8.00 for 25 lbs.

BEAN—BUSH LIMA—Willson's Improved

Claimed to be two weeks earlier than Burpee's Improved Bush Lima. Surely a most important feature in any lima bean, because it is from the early-maturing garden products that money, or at least the most of it, is made. It is also much more prolific than the Burpee's Improved, though neither pod nor bean is quite as large; the latter we believe to be rather an advantage. It is our belief that when this variety is properly known it will meet with general favor. Pkt., 10c.; 50c. per lb.; 2 lbs., 90c.; \$2.00 for 5 lbs.; 10 lbs., \$3.80; \$9.25 for 25 lbs.

BEET—Michell's "Winter Keeper"

This grand new beet is almost globe shaped, tapering slightly toward the root. The dark blood red flesh is always tender. The hard, stringy, woodenlike substance, so common in many varieties, is entirely absent in this sort. It is ideal as a late summer cropper, or for use during winter and spring, until new beets are on the market again. Pkt., 10c.; 40c. per oz.; $\frac{1}{4}$ lb., \$1.25; \$4.00 per lb.

PE-TSAI (Chinese or Celery Cabbage)

Chinese Cabbage is of upright growth, about 15 inches high, soil conditions governing. It resembles in appearance and growth a head of Cos Romaine or Celery Lettuce, but possesses the attractive curly feature of Silesian Lettuce, and a broad, wide rib. The heads are very firm, almost like Cabbage. The flavor is delightful, not at all like Cabbage, but rather on the order of Witloof Chicory or French Endive. It may be served like lettuce, tasting better with salad dressing, or it makes excellent Cold Slaw. It may also be cooked as one would Cabbage, the flavor somewhat resembling Cauliflower. It can be planted as a spring or autumn crop; for latter the seed is sown in July. The head does not become as high then as when sown in spring, and is adapted in that season rather as a Lettuce than as Cabbage. May be forced readily in cold frame. The small plants are handled much like Lettuce, except that they should be set out from 15 to 18 inches apart, the rows 2 to 2 $\frac{1}{2}$ feet apart. They prefer natural moist soil, although they will thrive in almost any soil conditions. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.; lb., \$4.00.

CELERY, Michell's Easy Blanching

This variety, without exception, is probably the most important celery introduction in recent years. The stalks are broad, fine grained and crisp, with a big heart that blanches a beautiful white with yellow leaf tips. As a celery for early autumn and Thanksgiving, we believe it has no equal. Pkt., 10c.; 35c. per $\frac{1}{2}$ oz.; oz., 70c.; \$2.25 per $\frac{1}{4}$ lb.; lb., \$8.00.

HYBRIDIZED POTATO SEED

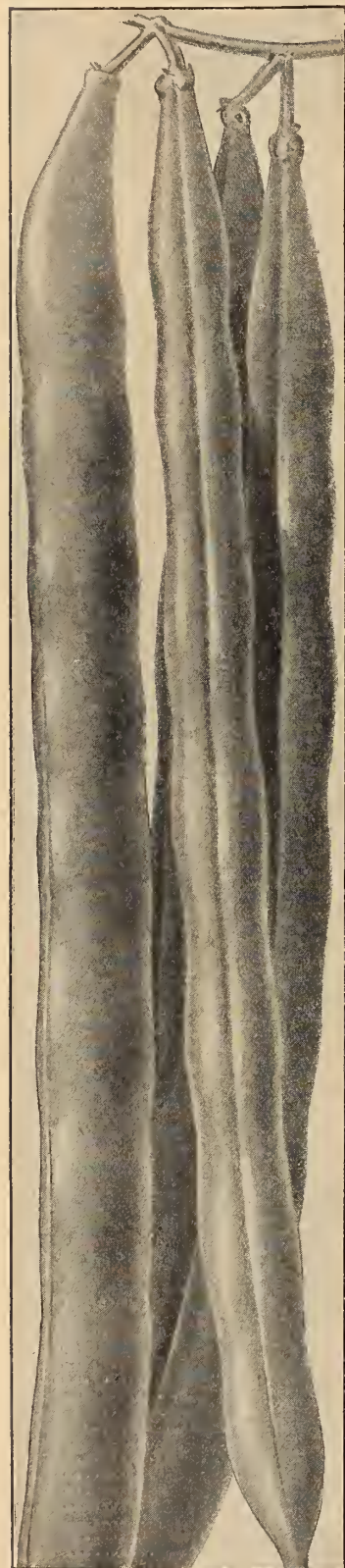
Millions never saw a Potato Seed Ball. Thousands have tried in vain to get the seed. Now is your opportunity. This unrivaled seed will produce an endless variety of new kinds. They are as easy to grow as tomatoes.

It is from these that ALL valuable new varieties of Potatoes are produced.

Growing new and distinct Seedling Potatoes from the Seed-Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The product will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer and gardener should plant a few packets. Full directions on every packet.

These rare and curious seeds—from the seed balls—will produce white, yellow, pink, red, blue, purple, variegated and black potatoes. Often 50 to 200 in a hill, of shapes, types and qualities innumerable. Early and late, strange freaks, etc. Some may be of no value, while in every batch you are sure to find some tubers with real merit. Pkt., 15c.; 2 pkts., 25c.

Prices on all Vegetable Seeds, except Peas, Beans and Corn, include postage charges.



Bean—Masterpiece



Seed Potato Balls



Witloof Chicory (in Growth)

WITLOOF CHICORY

Every year we find an increasing demand for French Endive (Chicory) which is served at all the leading hotels and restaurants, and is most popular with all lovers of salads in their homes. Most of the French winter salads are varieties of Chicory. A continuous supply of this delicious winter salad may be had from December to April. Used also as a winter vegetable, the top part only being edible, it can be boiled whole and served "braised," the same as celery. The seed should be sown in June in rows as you would spinach, and keep cultivating it throughout the growing season. The plants should be thinned out to allow root development, as it is the second growth from the roots when they are planted in the winter (forced) that is used—Witloof Chicory is not a summer vegetable. The roots are harvested after a few sharp frosts and placed in a cool cellar until they are wanted for planting, for a continuous crop plant after December 1st every two weeks under a bench in the greenhouse, or dry, warm portion of a cellar in a bed of rich garden soil about 12 inches deep, according to the length of the roots; place close together and keep dark, so the tops will blanch and not open or separate, and the top growth remains intact, as the illustration shows. It may be cut any time after 5 inches' growth, or before the heads begin to expand. Roots should be set in the soil six inches below the surface. A cold frame also makes an ideal place for forcing them in the late winter or early spring months.

Roots. Stock is usually exhausted after March 1st. 75c. per doz.; per 100, \$5.00.

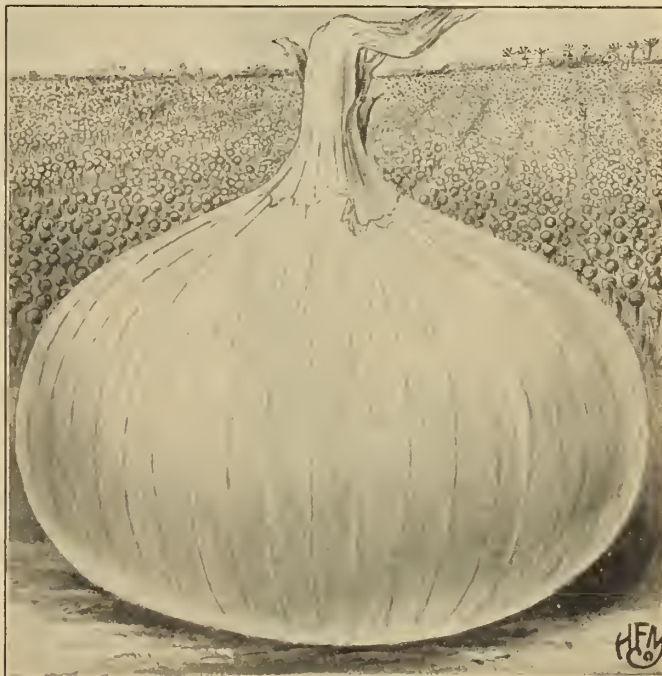
Seed. Pkt., 5c.; 10c. per large pkt.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.25.



Tomato—Michell's Early Red Wonder

NEW YORK OR WONDERFUL LETTUCE

This is the lettuce that has for the past few years been in great demand, especially during the late winter and early spring months; its gigantic heads when the outer leaves are removed are almost white; very solid and as it grows in California apparently is without any trace of bitter taste. It does best in the latitude of Philadelphia as an early spring and a late autumn crop; while not quite as fine as it grows in California it is nevertheless lettuce which deserves greater recognition than it has heretofore received. A variety seen on the markets in Philadelphia and New York. We offer a fine strain of seed, selected from specimen heads. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.00 per lb.



Michell's White Bermuda Onion

ONION, Michell's White Bermuda

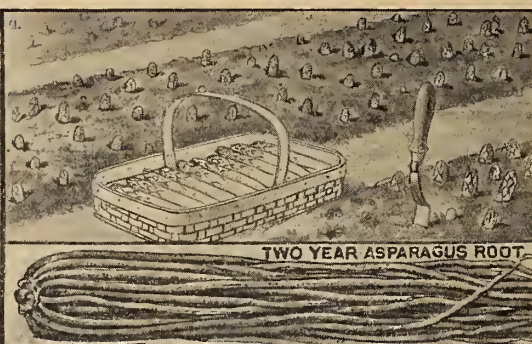
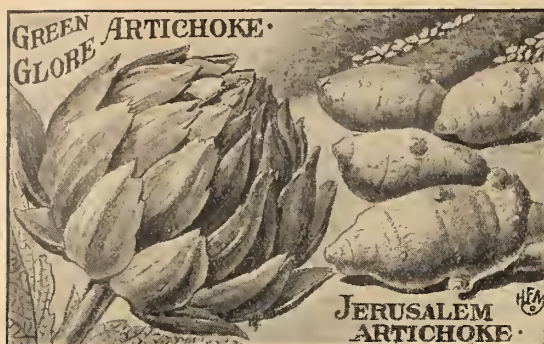
Many people who garden like to sow onion seed that will produce a full-sized onion the first season. The White Bermuda variety combines this feature, in addition to being extremely large, mild-flavored and of wonderful uniformity. For boiling, eating raw on sandwiches, or as garnishing on green salads, it is unquestionably good. Seed should be sown in a bed thinly. When 3 or 4 inches high, transplant the seedlings in rows about 1½ feet apart and about 4 or 5 inches apart in the row. A dull day is best for this, when the soil is moist, to insure the seedlings establishing themselves readily. Prior to planting the top should be nipped off, so that the plants will stand about 2½ inches high. This variety, like all onions, delights in rich soil. They should be well cultivated during the growing period, and when the seed heads appear the plant should be bent over to develop the bulb. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

TOMATO, Michell's Early Red Wonder

This variety is the result of a cross between My Maryland and Magnificent, though it also contains some blood or strain of Sunnybrook Earliana, which feature it possesses for earliness; it takes after "My Maryland" for shape and uniformity, and "Magnificent" for great yield. It originated with Mr. W. E. Vail, of Yorktown Heights, Westchester County, N. Y. He has been watching it for a number of years, and finally, thinking so well of it, he asked us if we would not place it on the market, with the right to name it, which we are doing, and we believe the name does it justice.

The fruits are fairly large, solid, and of a beautiful "tomato red color;" it is a shy seeder, therefore very solid. It is a wonderful market variety, uniform in shape, and possesses every good attribute that a tomato can have. It is medium early (not extra early), but a winner, and we know you will like it. It is a tomato we believe that can be successfully grown anywhere that tomatoes will grow. Pkt., 25c.; 40c. per ½ oz.; oz., 75c.; \$2.50 per ¼ lb.

MICHELL'S DISTINCTIVE VEGETABLE SEEDS



ANISE

Seed is used for flavoring. Pkt., 10c.; 25c. per oz.

ARTICHOKE

Artichaut (Fr.); Artischoke (Ger.); Alcachofa (Ital.). One ounce will produce about 500 plants.

Sow seeds in January in the greenhouse, or in hotbeds in March. Transplant when large enough, in rows 3 feet apart, 2 feet apart in the row. Cultivate when growing, freely, and protect the plants in winter by taking them in a cellar or putting them in a cold frame, or they may be left outdoors protected by straw in a climate that is not too severe.

Green Globe. Pkt., 10c.; 35c. per 1/2 oz.; oz., 65c.

ARTICHOKE PLANTS

(Ready in April)

Green Globe. We grow a large stock of these, for those who do not care to bother with them from seed; thus they can be assured of an early crop. Pot grown. \$1.75 per doz.; 25 for \$3.00; \$11.00 per 100 (by express).

ARTICHOKE ROOTS

Jerusalem (Ready in April)

Sometimes called the American Artichoke. Used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. 30c. per qt.; peck, \$1.50; \$5.00 per bu. of 60 pounds.

ASPARAGUS

Asperges (Fr.); Spargel (Ger.); Esparrago (Ital.). Sow 5 lbs. per acre for roots, or 1 oz. to 100 feet.

A well-cared-for bed improves with age and lasts for many years. It may be established from seed, but much time is saved by planting roots. Seeds should be sown thinly in early spring in rows 1 foot apart. Thin out the weakest plants so the remainder will be 4 inches apart. When 1 year old transplant in the permanent bed in rows 3 ft. apart, setting the roots 1 ft. to 1 1/2 ft. apart, from where it can be cut three years later. "Michell's Leaflet on Asparagus Culture" gives full information and is mailed free.

Michell's Giant Argenteuil (Special Strain). In size it is a giant. A marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. It is the one variety that succeeds well in all soils and climates. Color, white, with a greenish purple tip. Pkt., 10c.; 15c. per oz.; 1/4 lb., 25c.; 85c. per lb.

Barr's Mammoth. Produces heavy, stout spears, of delicious flavor. Remains green when cooked. Pkt., 10c.; 15c. per oz.; 1/4 lb., 25c.; 85c. per lb.

Conover's Colossal. A prolific sort, similar to Barr's Mammoth, but the stalks are a trifle larger and lighter in color. Pkt., 10c.; 15c. per oz.; 1/4 lb., 25c.; 85c. per lb.

Palmetto or Eclipse. One of the earliest; very prolific and finely flavored. Color, green. Pkt., 10c.; 15c. per oz.; 1/4 lb., 25c.; 85c. per lb.

ASPARAGUS ROOTS

(Ready after March 1st)

4000 to 6000 roots are required for an acre

2-Year-Old Roots.

	Doz.	100	10.00
Barr's Mammoth.....	\$0.35	\$1.75	\$12.50
Conover's Colossal.....	.35	1.75	12.50
Giant Argenteuil.....	.35	1.75	12.50
Palmetto or Eclipse.....	.35	1.75	12.50

3-Year-Old Roots.

	Doz.	100	10.00
Barr's Mammoth.....	\$0.45	\$2.25	\$17.50
Conover's Colossal.....	.45	2.25	17.50
Giant Argenteuil.....	.45	2.25	17.50
Palmetto or Eclipse.....	.45	2.25	17.50

ACCESSORIES TO ASPARAGUS GROWING

Raffia Tape. A linen and paper composition in 250-yard spools; Nile green color. \$1.00 per bolt.

Asparagus Tape. Fast cherry red color, water-proof; in 1000-yard spools. Per spool, \$4.50.

Raffia. Ideal for tying asparagus in bunches.

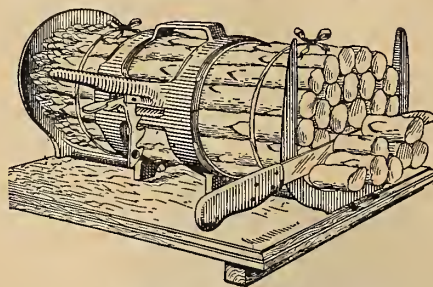
Natural, 25c. per lb.; 5 lbs. for \$1.20.

Green, per lb., \$1.00.

Jute Twine. For tying asparagus, 2 and 3-ply; soft and pliable. Per ball, 25c.; 45c. per lb.

Asparagus Salt. Applied in the spring for destroying weeds, 600 to 800 lbs. per acre. \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$26.00 per ton.

Asparagus Fertilizer. Compounded after a formula recommended by a leading asparagus grower; apply 600 lbs. per acre. In 200-lb. bags, \$7.25; \$35.00 per 1000 lbs.; ton, \$67.00.



ASPARAGUS BUNCHER

It pays to use a buncher. Asparagus is quickly tied and looks uniform. With Knife Guard, \$3.50.

ASPARAGUS KNIVES

No. 45. Asparagus Knife, Bateman's...	\$0.60
No. 399. Asparagus Knife, American. V-shaped blade; short handle.....	.65
No. 399. Asparagus Knife, American. V-shaped blade; long handle.....	.75

A Book, entitled *Asparagus Culture*, by Hexamer, will solve any of the problems that may arise in growing the crop. Price, 80c.

ALL PRICES SUBJECT TO MARKET CHANGES

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MICHELL'S
GIANT
ARGENTEUIL.

HEM

MICHELL'S DWARF BEANS

7

Haricots Nains (Fr.); Buschbohnen (Ger.); Faginoli Nani (Ital.)

NOTE—During the past few years the pound unit or system has taken the place of the pint, quart, peck and bushel system, so that it is now recognized as the proper quantity basis unit.

Plant 90 lbs. per acre. Two lbs. will plant a 100-foot row.

On Peas, Beans and Corn by Way of Comparison

1 lb. equals about 1 pint.

2 lbs. equal about 1 quart.

5 lbs. equal about 2½ quarts.

10 lbs. equal about 5 quarts.

If desired by mail, add postage at the rate of 5c. per lb.

GREEN PODDED VARIETIES

Black Valentine. Pods very long and slender, semi-round and well-flavored; slight string when old. Pkt., 10c.; 30c. per lb.; 2 lbs., 60c.; \$1.40 per 5 lbs.; 10 lbs., \$2.70; \$6.50 per 25 lbs.

Early Mohawk. This variety can be planted before any other sort, being quite hardy; large cropper; flat pod. Pkt., 10c.; 30c. per lb.; 2 lbs., 60c.; \$1.40 per 5 lbs.; 10 lbs., \$2.70; \$6.50 per 25 lbs.

Extra Early Refugee. An extremely early, fleshy, saddleback pod variety; slight string as it ages. Pkt., 10c.; 30c. per lb.; 2 lbs., 60c.; \$1.40 per 5 lbs.; 10 lbs., \$2.70; \$6.50 per 25 lbs.

Full Measure. A prolific stringless variety of excellent quality and great merit. Pkt., 10c.; 30c. per lb.; 2 lbs., 60c.; \$1.40 per 5 lbs.; 10 lbs., \$2.70; \$6.50 per 25 lbs.

Mammoth Stringless. An improvement on Burpee's Green Pod; early round pod, free from string and, while not so prolific, makes a much larger pod. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.80; \$6.75 per 25 lbs.

Masterpiece. This is a large, flat-podded variety, especially adapted for growing under glass, though it may be grown successfully outdoors; a very quick grower; plants robust; very prolific; pods long and very tender. Pkt., 15c.; 50c. per lb.; 2 lbs., 95c.

Red Valentine (Michell's Improved). A carefully selected stock of this well-known variety; its popularity is due to the fact that it is one of the earliest sorts, maturing often in 45 to 50 days. Pkt., 10c.; 30c. per lb.; 2 lbs., 60c.; \$1.40 per 5 lbs.; 10 lbs., \$2.70; \$6.50 per 25 lbs.

Stringless Forcer. For culture under glass or for outdoor planting; the pods are long, slender, and round in shape; it grows dwarf and compact, and is a heavy yielder. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.75 per 5 lbs.; 10 lbs., \$3.25.

***Stringless Green Pod (Michell's Improved Strain).** Even when the pod has become quite old it still retains its stringless qualities. It recommends itself also by its extreme earliness, prolific and continuous bearing qualities and superior flavor. Can be planted successively through the season; round pods often seven inches long. The leading sort for the home or market garden. Pkt., 10c.; 20c. per ½ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.50; \$2.80 per 10 lbs.; 25 lbs., \$6.75.

Triumph of the Frames. Splendid for forcing under glass, producing a narrow, tender pod of considerable length. Pkt., 15c.; 75c. per lb.; 2 lbs., \$1.40.

WAX OR YELLOW-PODDED VARIETIES

These should not be planted quite as early as the green varieties; they being more tender are liable to rot.

Black Wax (Pencil Pod Strain). A round-podded, hardy sort, entirely stringless, very early. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.80; \$6.75 per 25 lbs.

Currie's Rust-proof Wax. An improved type; extra early; a tremendous yielder, with long, thick, flat pods. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.80; \$6.75 per 25 lbs.

***Golden Wax Rust Proof (Michell's Improved Strain).** This type far surpasses the old favorite in many points; the plants are very vigorous and rust-resisting. The thick, flat, stringless pods are formed quite early and in great profusion. Pkt., 10c.; 20c. per ½ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.50; \$2.80 per 10 lbs.; 25 lbs., \$6.75.

Round-Podded Kidney Wax. A vigorous grower, producing very fleshy pods, entirely stringless and rust-proof; very early. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.90; \$7.00 per 25 lbs.

Refugee Wax. Round-podded, entirely stringless and of exceptional flavor. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.80; \$6.75 per 25 lbs.

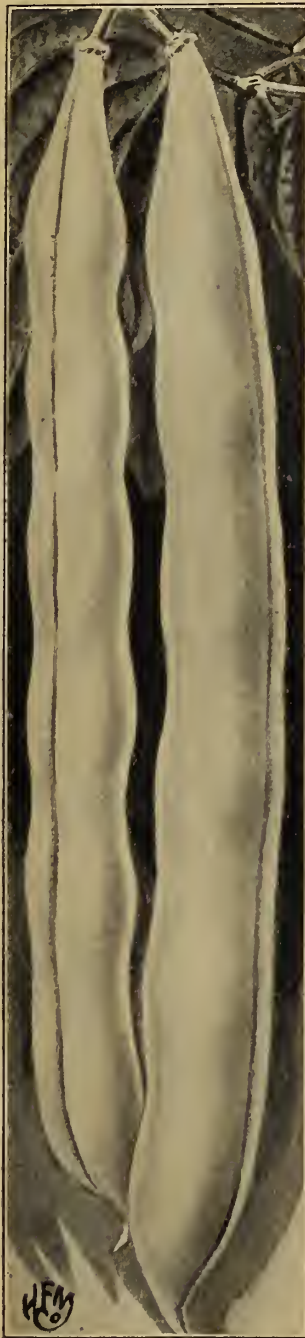
Sure Crop Stringless Wax. Very early and productive and very hardy, resisting rust and disease with impunity; pods long, thick and flat; a splendid variety. Pkt., 10c.; 35c. per lb.; 2 lbs., 70c.; \$1.60 per 5 lbs.; 10 lbs., \$3.10; \$7.50 per 25 lbs.

Wardwell's Kidney Wax. A favorite market bean; long, thick, flat pods in great abundance; one of the best medium early sorts; excellent quality; free from rust. Pkt., 10c.; 35c. per lb.; 2 lbs., 70c.; \$1.60 per 5 lbs.; 10 lbs., \$3.10; \$7.50 per 25 lbs.

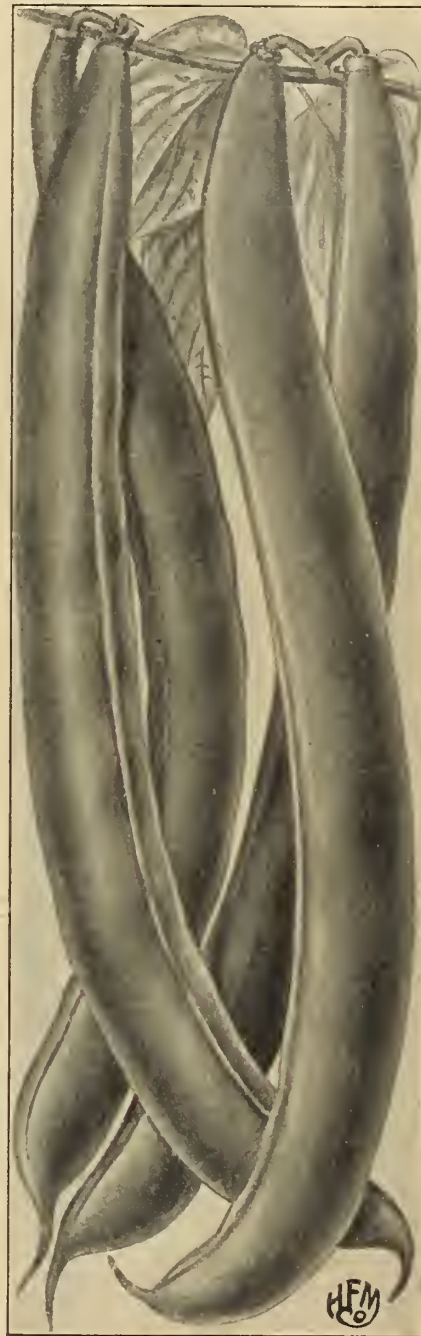
Liberal-sized packets of all varieties of Beans, unless otherwise noted, 10c. per pkt.

Please Note.—Only Varieties of Beans marked * can be supplied in ½ lb. packages

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Improved Strain Golden Wax



Black Valentine

8 MICHELL'S DESIRABLE POLE BEANS (Not Limas)

NOTE CHANGE OF CUSTOM IN ORDERING

During the past few years the pound unit or system has taken the place of the pint, quart, peck and bushel system, so that it is now generally recognized as the proper quantity basis unit. We, too, have changed our method and are offering Beans, Sugar Corn and Peas by the pound instead of by the pint, quart, peck and bushel.

By Way of Comparison:

1 lb. equals about 1 pint.

5 lbs. equal about 2½ quarts.

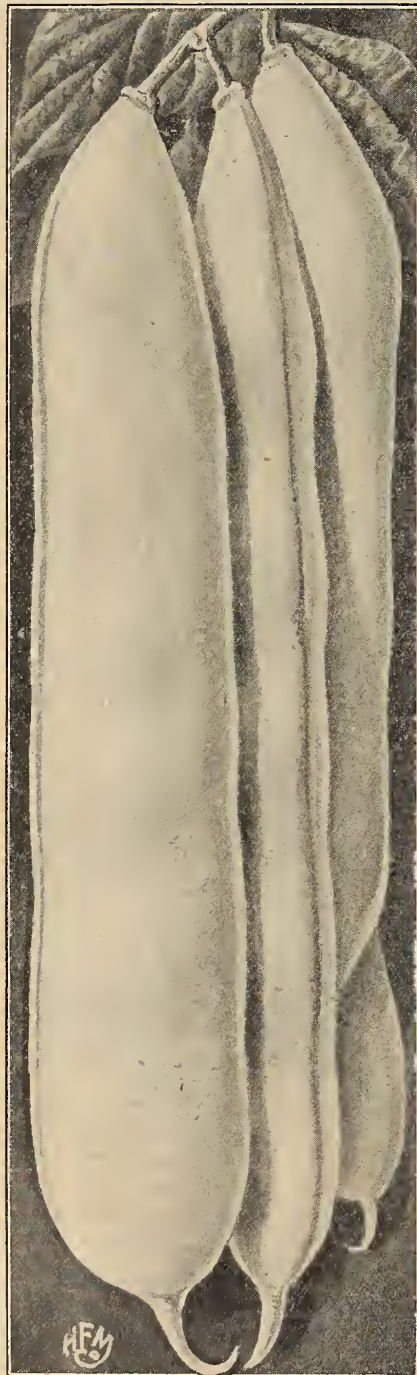
2 lbs. equal about 1 quart.

10 lbs. equal about 5 quarts.

Should you desire to order by the quart, peck and bushel system you may do so and we will send the quantity nearest in lbs. thereto. For each quart you desire allow 2 pounds in weight.

Haricots a Rames (Fr.); Stangenbohnen (Ger.); Fiquoli (Ital.).

LARGE PACKETS of all varieties of Beans, except where noted, 10c. postpaid.



Golden Cluster Wax

Plant when all danger of frost or cold nights is over. Don't be afraid to put a liberal number in a hill, as this is cheaper than replanting; often one bean germinates where another won't, even on the same hill.

Plant as you would limas, in hills 4 feet apart each way, about 4 or 5 beans to the hill, eyes downward. When up and established, thin out to 3 plants in a hill. Plant about 20 lbs. to the acre.

Pole Beans are not accorded in the north the same attention they deserve and receive in the southern part of the United States, where they are found in practically every garden. They are frequently more tender, and yield larger crops than dwarf sorts. One planting lasts usually for the season. The secret of success in growing them is to keep picking them as they mature; they then continue to bear and yield quantities of tender beans of delicious flavor. If you've never grown them before try them this season.

POSTAGE NOTICE.—If Pole Beans are desired by mail, add for postage at the rate of 5c. per lb.

***Early Golden Cluster Wax.** A beautiful deep yellow pod, flat and frequently 8 inches long; makes a delicious dish as a butter bean or for pickling; quite stringless and matures in about 85 days. It is a heavy yielder, the pods being borne in large clusters. The best of the pole beans and a splendid variety for the home garden. Pkt., 10c.; 25c. per ½ lb.; lb., 40c.; 80c. per 2 lbs.; 5 lbs., \$1.90; \$3.70 for 10 lbs.; 25 lbs., \$8.75.

Scarlet Runner (Green Pod). While used principally for its flowering qualities, this makes a splendid winter shell bean. The bright red flowers are an attraction when the vine is used for covering arbors, trellis, fences, posts, etc. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.

***Kentucky Wonder (Old Homestead).** Green Pod. In the South this variety is grown more extensively probably than any other; a tremendous yielder of long, round pods; very tender and practically stringless; the best of the green pole beans. It is quite early, being ready for picking about 85 days from planting. Pkt., 10c.; 20c. per ½ lb.; lb., 35c.; 65c. for 2 lbs.; 5 lbs., \$1.50; \$2.80 for 10 lbs.; 25 lbs., \$6.75.

DWARF VARIETIES OF SHELL BEANS—For Winter Use

If there is any vacant space in the garden it always pays to plant some of these varieties. For soups, baked beans, etc., they are always useful. They can be used in the green state like other sorts when picked very young, but for the first-named purpose they are best.

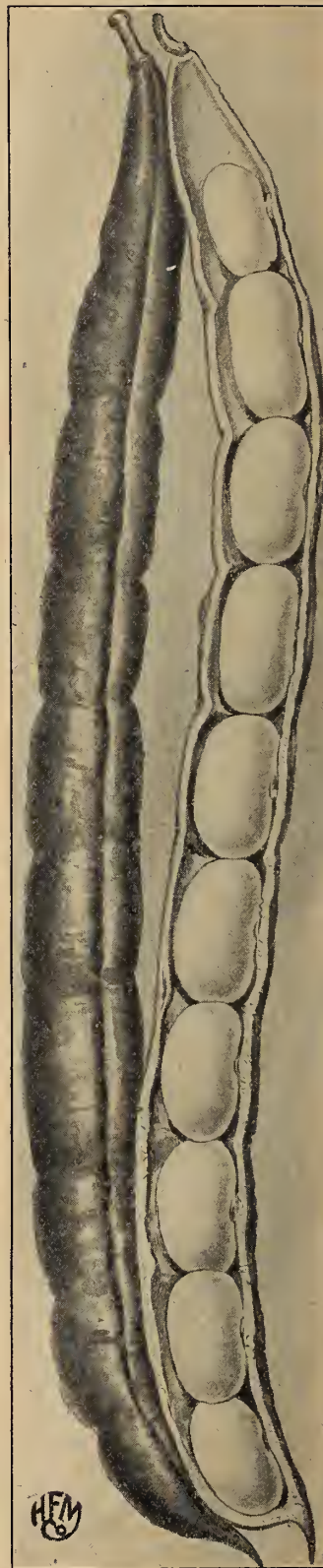
Boston Navy or Pea. For soup and baking purposes. 10c. per pkt.; per lb., 30c.; 55c. for 2 lbs.; 5 lbs., \$1.30; \$2.50 per 10 lbs.; 25 lbs., \$6.00.

Broad Windsor. An English bean used in the dry state shelled. Plant in rows about 3 feet apart, about 8 inches apart in the row. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.75 per 5 lbs.; 10 lbs., \$3.30; \$8.00 per 25 lbs.

White Marrowfat. Pkt., 10c.; 30c. per lb.; 2 lbs., 55c.; \$1.30 per 5 lbs.; 10 lbs., \$2.50; \$6.00 for 25 lbs.

Dwarf Horticultural. One of the best early shell beans grown; the thick, flat, stringless pods are colored red and green; the bean is large, round and speckled. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.80; \$6.75 per 25 lbs.

PLEASE NOTE.—Only varieties of Beans marked * can be supplied in ½-lb. pkgs.



Kentucky Wonder Bean

CEDAR BEAN POLES (Pointed). Extra selected quality, about 10 feet long. 12 for \$2.25; 25 for \$4.00; 50, \$7.75; 100, \$15.00.

ALL PRICES SUBJECT TO MARKET CHANGES

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MICHELL'S LIMA BEANS

9

Haricots a rames (Fr.); Stangenbohnen (Ger.); Fighuoli di Lima (Ital.)

POLE VARIETIES

2 pounds will plant 100 hills; 25 to 30 pounds per acre.

Plant when all danger of frost or cold nights is over with the eye of the bean down. Don't be afraid to put a liberal number in a hill, as this is cheaper than re-planting; often one bean germinates where another won't, even on the same hill. When all the beans have germinated that will grow, thin out to 3 or 4 plants in a hill. The poles should be set as soon as the garden is made in rows about 3 feet apart, with the poles about 3 ft. apart in the row. It is a good plan to put a small shovel-ful of well-rotted cow manure in each hill when the poles are set, so the beans when started will make rapid growth and mature early.

POSTAGE NOTE.—Large Pkts. of all Varieties Lima Beans (except where noted), Postpaid, 10c. If large quantities are wanted by mail, add postage at the rate of 5c. per lb.

Carpinteria. A variety that retains its green color in all stages of growth, even after being dried; with this it combines wonderful prolificness, flavor and size; a good early variety; 4 to 5 beans in a pod. Pkt. 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.80 per 5 lbs.; 10 lbs., \$3.40; \$8.00 per 25 lbs.

Dreer's Improved Potato or Challenger. Early and more prolific than the Large Lima; beans small; extra quality. Pkt. 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.80 per 5 lbs.; 10 lbs., \$3.40; \$8.00 per 25 lbs.

Giant Podded. This variety is fully a week earlier than King of the Garden. It is a prodigious cropper, producing its pods in large clusters. These are well filled with large beans of excellent quality. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.80 per 5 lbs.; per 10 lbs., \$3.40; \$8.00 per 25 lbs.

***King of the Garden.** Pods are of enormous size, many specimens measuring from 5 to 8 inches and producing as high as six beans to the pod, perfectly formed and of superior quality. Pkt., 10c.; 25c. per ½ lb.; lb., 45c.; 55c. per 2 lbs.; 5 lbs., \$1.80; \$3.40 per 10 lbs.; 25 lbs., \$8.00.

Michell's Evergreen. A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other, and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.80 for 5 lbs.; 10 lbs., \$3.40; \$8.00 for 25 lbs.

BUSH OR DWARF VARIETIES

Bush Limas should be planted for early crops, as they come into bearing much sooner; they are not so prolific as the pole varieties. They are usually planted in rows about 3 feet apart, while the beans are put in hills about 2 feet apart, about 3 beans to the hill.

Burpee's Improved Bush Lima. This is so far ahead of the old strain of Burpee's Bush Lima that it should be used instead; the bean is thicker, sweeter and earlier; also more prolific. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$2.00 per 5 lbs.; 10 lbs., \$3.70; \$8.75 per 25 lbs.

***Fordhook.** This is the best type of bush lima in cultivation; it has a distinct upright vigorous growth; the pods

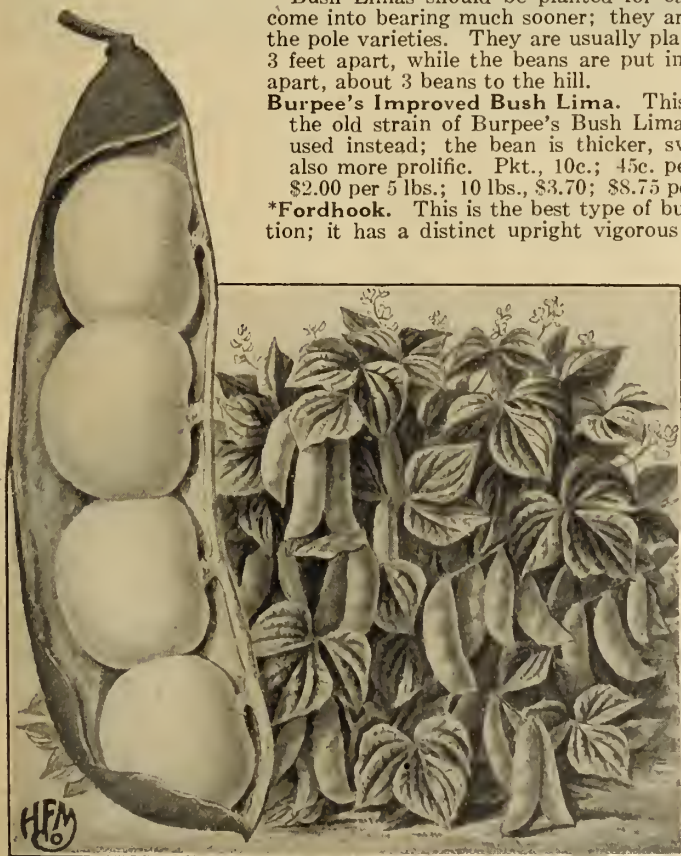
are borne in clusters well above the ground and frequently contain as many as 4 thick luscious beans. It matures very early and continues in bearing till frost. Pkt., 10c.; 25c. per ½ lb.; lb., 50c.; 90c. per 2 lbs.; 5 lbs., \$2.00; \$3.80 per 10 lbs.; 25 lbs., \$9.25.

Wilson's Improved (New). Claimed to be two weeks earlier than Burpee's Improved Bush Lima; it is also much more prolific, though the pod nor the bean is quite as large. For full description, see page 4. Pkt., 10c.; 50c. per lb.; 2 lbs., 90c.; \$2.00 per 5 lbs.; 10 lbs., \$3.80; \$9.25 for 25 lbs.

NITROGEN BACTERIA FOR BEANS

If you want your lima bean patch to yield earlier and better, inoculate the seed before planting with nitrogen bacteria. We offer two Brands: **Mulford Germ**, trial size, 35c.; 75c. per ¼ acre size, 1 acre size, \$1.50. **Standard Bacteria**, trial size, 25c.; garden size, 50c.; 75c. per acre bottle.

When ordering, be sure and specify wanted for lima beans, as each leguminous crop requires a separate culture.



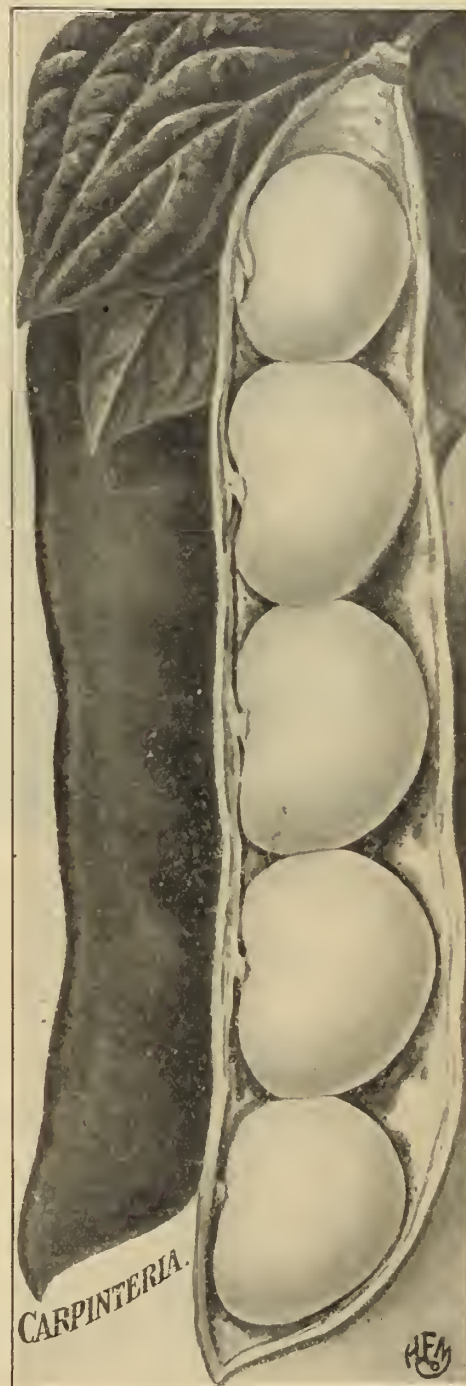
Fordhook Bush Lima

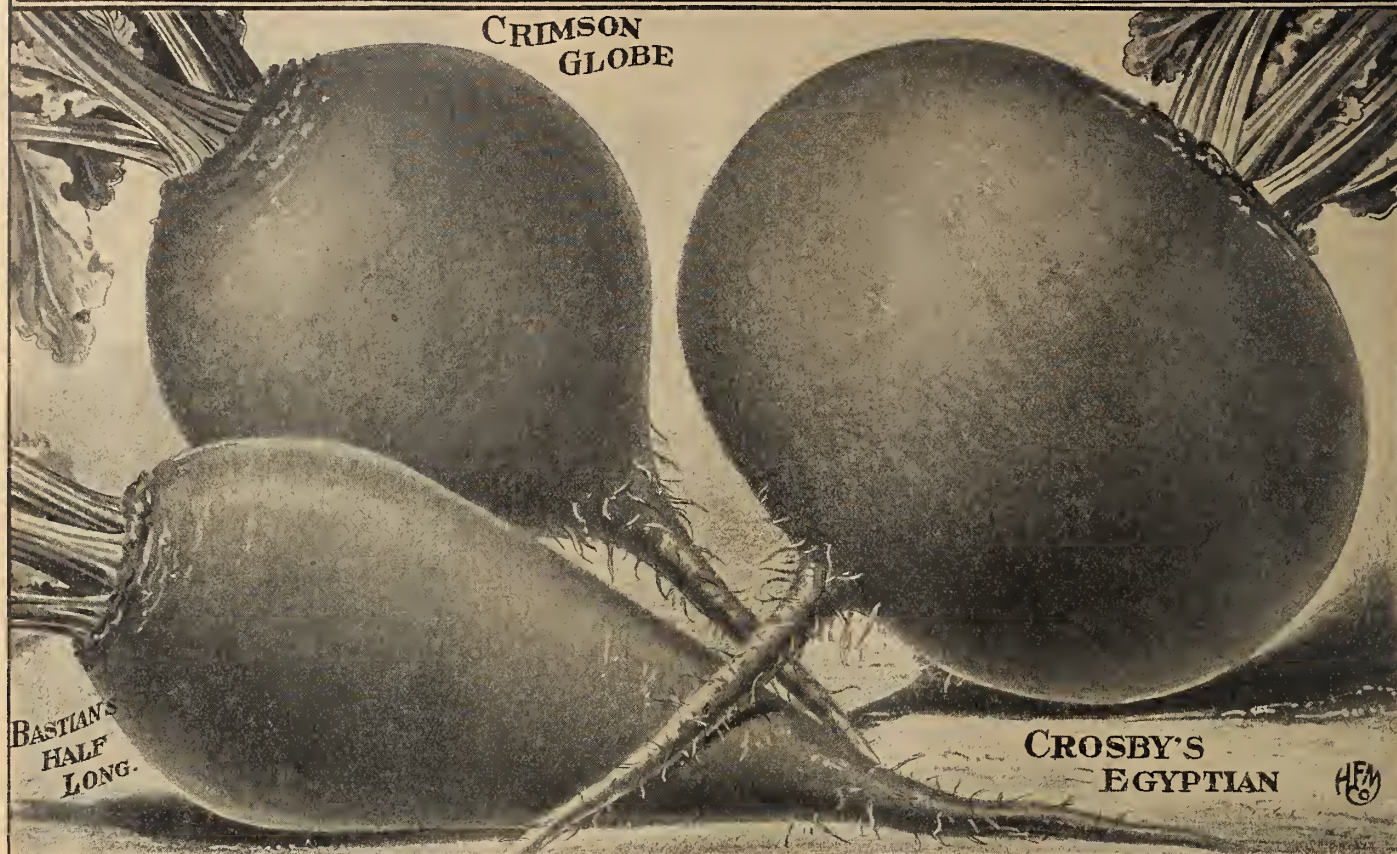
CEDAR BEAN POLES (Pointed). Extra selected quality. About 10 ft. long, 25 for \$4.00; 50, \$7.75; 100, \$15.00.

Only Varieties of Beans marked * can be supplied in ½-lb. packages.

ALL PRICES SUBJECT TO MARKET CHANGES

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Betterave (Fr.); Salatrube (Ger.); Barbabietola (Ital.)
Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in rows. For an early crop in hotbeds the seed should be sown in early March, while for a winter supply sow about July 10th outdoors.

Arlington Favorite. Extra early; exceedingly sweet; rich blood red. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Bastian's Extra Early. The best beet for market and family use; grows quite large; turnip-shaped. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Bastian's Half Long Blood. Used extensively for winter use. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Bassano (Extra Early). A flat variety; flesh white and rose colored. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Crimson Globe. Almost round in shape, of a rich deep red color; it has a distinct delicious flavor and is very tender; good for sowing early for forcing and summer use. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Crosby's Egyptian. One of the earliest beets; especially desirable on account of its rich blood-red color throughout and its extreme tenderness. An early spring and winter variety and a good keeper. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Detroit Dark Red (Special Selected Strain). The seed of this variety is a careful re-selection from the choicest, most uniform roots; it will be found superior to the usual type of Detroit Beet and we recommend it in the highest of terms. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.50 per lb.

Detroit Dark Red (Regular Strain.) Pkt., 5c.; 10c. per large pkt.; oz., 15c.; per $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Eclipse. Perfectly smooth and round; skin and flesh intense red. An excellent sort for forcing or for planting in the garden. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Lentz Early. Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood-red. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

MicHELL's Ideal (New). A splendid turnip-shaped beet of rich, blood-red color; fine grained; very tender. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$2.25 per lb.

MicHELL's Winter Keeper (New). Globe shape; rich red, tender and sweet; one of the best winter varieties. Pkt., 10c.; 40c. per oz.; $\frac{1}{4}$ lb., \$1.25; \$4.00 per lb.

One ounce will sow a row 50 ft. long; 5 lbs. per acre.

SWISS CHARD, GIANT LUCULLUS

Pkt., 10c.; 15c. per oz.; per $\frac{1}{4}$ lb. 40c.; \$1.50 per lb.

BEETS

Cattle Varieties or Mangel-Wurzel. (See page 23.)

BASIL (Herb). Pkt., 10c.; 25c. per oz.

BORAGE (Herb). Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 40c.

BROCCOLI

Broccoli (Fr.); Sparkelkohl (Ger.); Brocoli (Ital.).

One ounce will produce 3000 plants.

A vegetable resembling cauliflower and often grown where the latter does not thrive. Cultural method is much the same.

White Cape. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 50c.; \$1.75 per $\frac{1}{4}$ lb.

BRUSSELS

SPROUTS

Chou de Bruxelles (Fr.); Rosenkohl (Ger.); Berza de Brusels (Ital.).

One ounce will produce 3000 plants.

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet apart in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost.

Matchless Improved. 5c. per pkt.; large pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

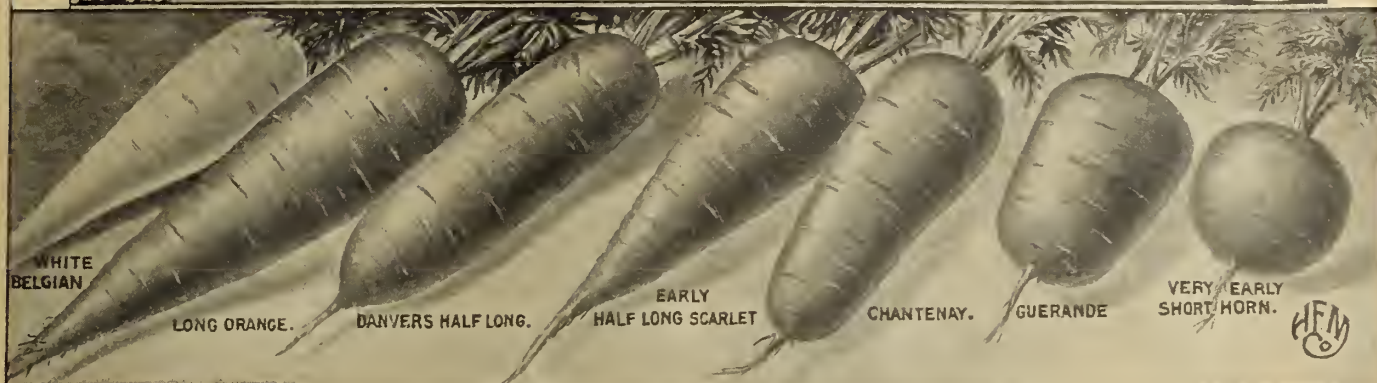
Brussels Sprouts Plants (Ready in July)

25 for 25c.; 75c. per 100 (by mail, 85c.); per 1000, \$6.00.

Prices of all seeds on this page include mailing charges.



Brussels Sprouts



All seeds on this page mailed postpaid at quoted prices.

Carotte (Fr.); Mohrruben (Ger.); Carota (Ital.)

One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.

For an early crop sow as soon as danger from frost is over in rows 1 foot apart; when 2 inches high, thin out to stand 2 ins. apart in the row. For a late crop sow in May or June. The long sorts should be sown early; the half-long and round sorts can be sown later.

Chantenay Half-Long. Fine orange scarlet color; very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 5 inches long, stump-rooted. 5c. per pkt.; large pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Danvers Half-Long. The best variety for general crop; rich orange color; a very heavy yielder and splendid keeper; a first-class carrot for all soils, and valuable both for table and stock; 6 to 7 ins. long, stump-rooted. We have an extra fine strain of this favorite sort. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Early Half-Long Scarlet. A very desirable pointed root variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color; can be sown in hotbeds for early use, for which purpose it is very good; 5 to 6 inches long. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Early Scarlet Horn. A favorite early red variety; fine grain and good flavor; stump-rooted, about 6 inches long; ideal for soups. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Guernsey or Oxheart. A desirable variety on soils too hard and stiff for the longer growing sorts, as it is not over 3 to 4 inches long. It has a very fine flavor and is colored a rich orange. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Improved Long Orange (Michell's Special Strain). Deep orange color; 10 inches long; good flavor; yields heavily; is of excellent table quality, and is also the best for stock feeding; 5c. per pkt.; large pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Orange Beauty. A first-class carrot in every respect. This variety is a special selection of a popular sort, which it excels in every way; a beautiful shade of orange; point rooted. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Rubicon Half-Long. The best in shape, and its deep red orange-colored flesh is of finest quality; stump-rooted. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing and for growing outside. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Very Early Short Horn Scarlet or French Forcing. An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

White Belgian. Used principally for stock, not being desirable for table; produces a long thick white root. It is also used for soiling or turning under, being a valuable humus maker. It is about 8 to 10 inches long with a green top. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

CHIVES (Schnittlauch)

Indispensable for flavoring certain dishes, imparting a mild taste of onion. The plants are hardy and will last for years; don't cut the plant too close when gathering. For winter use, lift and plant in a pot or box and place in a sunny window in the kitchen. Seed. Pkt., 15c.

Strong Plants. 15c. each; doz., \$1.50; \$10.00 per 100.

CORIANDER (Herb)

For flavoring, etc. Pkt., 10c.; 25c. per oz.

CHERVIL

One ounce will sow a row 25 feet long.

An aromatic plant used extensively in Europe as a salad garnishing and seasoner. It adds a flavor that is entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles.



Chervil

For a continuous crop, sow every two weeks; if one has heated frames or a greenhouse it can be sown under glass all winter or in hotbeds in February. It can be cut 4 or 5 weeks after sowing.

Double Curled. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 50c. per $\frac{1}{4}$ lb.; lb., \$1.50.

CHICORY

Witloof. The roots are easily produced from seed. sown in May or June, in rows as one would Endive. They are taken up after a few hard frosts and cared for the same as Turnips or similar crops. Used only as a winter vegetable, the top part only being edible. Plant under a bench in the greenhouse or a light, dry, warm portion of a cellar in a bed of rich garden soil 12 inches deep. Place about 6 inches apart each way. The top growth remains intact, and may be cut any time after 5 inches growth. Roots should be set in the soil the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had from December 1st to April 1st. A cold frame makes also an ideal place for forcing them in the late winter or early spring months. Pkt., 5c.; 10c. per large pkt.; oz., 25c.; 75c. per $\frac{1}{4}$ lb.; per lb., \$2.25.



Chicory

COLLARDS

Four ounces seed will produce enough to plant an acre.

These are extensively grown in the south and used as greens during the winter months. In that latitude the plant is practically hardy. The lower leaves are pulled off and used, when new ones then form on the upper part of the stem, which increases in height. Planted much like cabbage.

Georgia or Southern
5c. per pkt.; large pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$2.00 per lb.



Collards



Early Jersey Wakefield



Early Summer

Chou pomme (Fr.); Kopf Kohl (Ger.); Cavolo Cappuccio (Ital.)

One ounce will produce about 3,000 plants; 4 ozs. will produce enough for an acre.

Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. The second early varieties sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession.

All seeds on this page mailed post free

EARLY VARIETIES

All Head. The largest of the early cabbages. The head is roundish flat and remarkably solid; excellent for winter as well as early spring. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.; per lb., \$4.00.

Copenhagen Market. The earliest round variety in cultivation. The heads frequently weigh as much as 10 lbs. In this variety we offer a splendid sort, which should be planted by every cabbage grower. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.50 per $\frac{1}{4}$ lb.; lb., \$5.00.

Early Jersey Wakefield (Improved Strain). The finest type of early cabbage in existence. A great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. The outer leaves form a protection for the heads, which enables it to be set out earlier than other sorts. 5c. per pkt.; large pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.; lb., \$4.00.

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. A fine variety for following the early types; makes a splendid solid head. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; per $\frac{1}{4}$ lb., \$1.25.

Large Charleston Wakefield. Similar to the Early Wakefield, but the heads are more blunt; equally as solid, while it grows almost twice the size and matures one week later. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; 35c. per oz.; \$1.25 per $\frac{1}{4}$ lb.; \$4.00 per lb.



Danish Ball Head (See page 13)

CHINESE CABBAGE (Pe-Tsai)

Too much cannot be said in favor of this splendid vegetable, because it can be used in a variety of ways, namely, as a salad, raw or cooked. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.; lb., \$4.00.

Testimonial on Pe-Tsai.

Chestnut Hill, Phila.

I grew in my garden some Chinese Cabbage or Pe-Tsai, as it is called. In my opinion it is a remarkable vegetable, and certainly should command a place in every garden. Some specimens I grew weighed as much as 9 $\frac{1}{2}$ lbs., they were gigantic beauties. When cooked as cabbage this vegetable has no odor and in that respect certainly has one on cabbage for merit.

EDWARD GROVES.

MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you. Just say, "Send me 'Practical Garden Pointers'." A post card will do.

A book on the Culture of CABBAGE AND CAULIFLOWER; comprehensive, interesting and instructive, 80c. postpaid.



Late Flat Dutch Cabbage

LATE OR WINTER VARIETIES

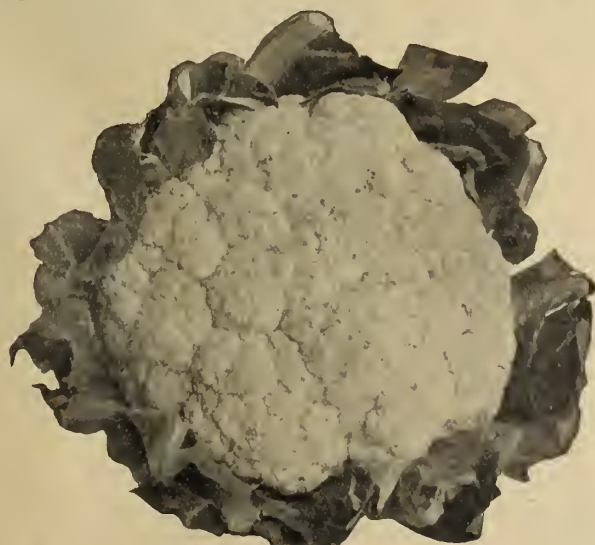
All Seasons (Vandergaw). A very large head, round and solid. Valuable for late summer or winter use. 10c. per pkt.; $\frac{1}{2}$ oz., 20c.; 35c. per oz.; $\frac{1}{4}$ lb., \$1.25; \$4.00 per lb.

Danish Ball-Head (Michell's Improved Strain). This excellent winter cabbage is unequaled for its keeping qualities, massiveness and weight. For boiling, cold slaw, sauer kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; heads seldom burst. See illustration, page 12. 10c. per pkt.; $\frac{1}{2}$ oz., 20c.; 40c. per oz.; $\frac{1}{4}$ lb., \$1.50; \$5.00 per lb.

Late Flat Dutch (Improved Strain). This has been selected especially for our trade, the seed being taken from the finest types of heads which are selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. Pkt., 5c.; 10c. per large pkt.; $\frac{1}{2}$ oz., 20c.; 35c. per oz.; $\frac{1}{4}$ lb., \$1.25; \$4.00 per lb.

Perfection Drumhead Savoy. A beautifully crimped-leaved sort; color, a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it as being one of the best cabbages of its kind grown for either market or home use. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.; per lb., \$4.00.

Red Dutch. A red variety, used extensively for pickling. When cooked with a little port wine and sugar added to it, makes a dish fit for a king. For cold slaw it has merits over the white kinds. It is principally used as a winter vegetable, keeping well until spring. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; per oz., 30c.; \$1.00 per $\frac{1}{4}$ lb.; lb., \$3.00.



Michell's Earliest Snowstorm Cauliflower



Perfection Savoy Cabbage

PE-TSAI (Chinese or Celery Cabbage)

This resembles in appearance and growth a head of Cos Romaine or Celery Lettuce. The heads are very firm, almost like cabbage. The flavor is delightful, not at all like cabbage, but rather on the order of Witloof Chicory or French Endive. It can be planted as a spring or autumn crop. The head does not become as high then as when sown in spring, and is adapted in that season rather as a lettuce than as cabbage. May be forced readily in a cold frame. The plants are handled much like lettuce, except that they should be set from 15 to 18 inches apart, the rows 2 to $2\frac{1}{2}$ feet apart. Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.25; \$4.00 per lb.

CABBAGE PLANTS

	100	1000
Early Sorts. Hot bed grown.....	\$0.65	\$5.50
Early Sorts. Cold-frame grown.....	1.00	7.50
Late Sorts. Field grown.....	.60	5.00

If cabbage plants are wanted by parcel post add 15c. per 100.

CAULIFLOWER

Choux-Fleurs (Fr.); Blumenkohl (Ger.); Cavol-Fiora (Ital.)

One ounce of seed will produce about 3,000 Plants

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames. When hard frosts are over plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row.

Danish Giant. An ideal variety for summer use; will stand more drought and heat than most other sorts; heads snow white. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.50; \$5.00 per oz.

Early Snowball. For either forcing under glass in cold frames or outdoor spring planting, producing magnificent medium size white heads. 25c. per pkt.; large pkt., 50c.; \$1.00 per $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz., \$1.50; \$3.00 per oz.

Half Early Paris. A well flavored small head, suited to growing outdoors only. Pkt., 10c.; 75c. per $\frac{1}{4}$ oz.; oz., \$2.50.

Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; especially desirable for its earliness under glass, but does equally well in late spring, summer, or autumn outdoors. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.50; \$2.75 per $\frac{1}{2}$ oz.; oz., \$5.00.

Michell's Special Strain Selected Erfurt. One of the earliest in cultivation; head not as large as the Snowstorm sort. Pkt., 25c.; 50c. large pkt.; $\frac{1}{4}$ oz., \$1.00; \$1.50 per $\frac{1}{2}$ oz.; oz., \$3.00.

CAULIFLOWER PLANTS

(Ready about April 1st) Dozen 100

Snowball variety only. Spring plants from hotbeds..	\$0.25	\$1.50
Snowball variety only. Pot-grown plants.....	.75	5.50

Pot-grown cauliflower plants cannot be sent by parcel post successfully. If hotbed plants are wanted by parcel post, add 5c. per doz. or 15c. per 100 for postage.

Caraway (Herb). For flavoring, etc. Pkt., 10c.; 20c. per oz.

Catnip (Herb). For making tea, a cat tonic, etc. Pkt., 25c.

MICHELL'S CHOICE CELERY



Michell's Early Blanching Celery

Celeri (Fr.); Sellerie (Ger.); Sedano (Ital.)

One ounce of Seed will produce 3000 to 5000 plants; half-pound is sufficient for one acre.

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way; let them remain there until July, when they should be planted where they are to mature, in rows 3 feet apart, 6 inches apart in the row. Celery Plants if topped a few times before and when transplanted into their permanent growing place will make shorter, stockier plants.

SEEDS OFFERED ON THIS PAGE MAILED AT QUOTED PRICES

EARLY VARIETIES

Easy Blanching. A splendid first early variety, being ready in October; produces enormous thick stalks which are very crisp. For full details of this variety see page 4. Pkt., 10c.; 35c. per ½ oz.; oz., 70c.; \$2.25 per ¼ lb.; lb., \$8.00.

Golden Self Blanching (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which are never pithy, and of excellent flavor; ready in October, but may be kept for early winter use. Pkt., 15c.; 60c. per ½ oz.; oz., \$1.00; \$3.50 per ¼ lb.

Golden Self Blanching (American Grown Seed). Pkt., 10c.; 30c. per ½ oz.; oz., 60c.; \$2.00 per ¼ lb.; lb., \$7.00.

Pink Plume. A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. On the table it is quite an attraction and should be grown more extensively. Pkt., 10c.; 20c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.; lb., \$3.00.

White Plume (Michell's Private Stock). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. Our strain of seed is very superior in every way. 5c. per pkt.; large pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.10 per ¼ lb.; lb., \$4.00.

LATE WINTER VARIETIES

New York (New). One of the best in cultivation, very large and solid and of excellent qualities. Self blanching. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

Giant Pascal. It is in its prime for use during February and March, and can be used well up into spring. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.; lb., \$3.00.

Winter Queen. A medium tall, solid variety; will retain its qualities long through the winter. The heart is very full and large. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.; lb., \$3.00.

New Columbia. A new variety of great merit; a medium tall sort, producing a large, heavy stalk; has splendid keeping qualities. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.; lb., \$3.75.

Winter King. Perfectly solid; crisp and of delicious flavor; good keeper. Pkt. 10c.; 20c. per ½ oz.; oz. 35c.; \$1.10 per ¼ lb.; lb. \$4.00.

CELERY PLANTS (Ready in July)

Leading varieties. Per 100, 75c.; \$6.00 per 1000.

CELERY FOR FLAVORING (Not for Sowing)

10c. per oz.; ¼ lb., 20c.; 75c. per lb.

CELERY PAPER

For winter protection; 500 sq. ft. per roll. Price upon application.

CELERY TAPE

Fast red, in 1000-yard spools, \$4.50 per spool.

CELERICAC

This vegetable is used for two purposes: The leaves are cut when young and used to flavor soups and meats; the roots are boiled, sliced, cooled, and served as a salad.

Giant Prague. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.25 per lb.

CHAMOMILE

(Herb)

Pkt., 10c.; 60c. per ½ oz.; per oz., \$1.00.

CITRON

This will be found described further under the heading of melons; a few hills of this should be grown by all who have space, as dried citron is always useful in making cakes, flavoring, etc. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 50c. per ¼ lb.; per lb., \$1.50.

CHARD. See Swiss Chard, page 32

Southern Pines, N. C.
The celery plants arrived in perfect condition and they are now growing rapidly. I thank you for your courtesy.

Mrs. J. S. B.





Concombre (Fr.); Gurken (Ger.); Cetriolo (Ital.). One ounce of seed will plant 60 hills; 2 to 3 pounds per acre.

Plant when the ground has become thoroughly warmed, in hills 4 feet apart each way, 8 seeds in a hill; when the second set of leaves have formed thin out to 4 plants in a hill. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead; when this is used always wash the fruits thoroughly before using. If the foliage is attacked beneath, by aphid or green fly, a spraying with Black Leaf 40 is usually very effective.

Davis' Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, often measuring 10 to 12 inches in length. Its color is dark green all over, and it is quite smooth and very productive. Pkt., 5c.; large pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

Evergreen. The name is derived from the feature of its dark green color-retaining qualities; thick fruits, measuring about 8 to 9 inches long. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

Cherkin or Burr Cucumber. For pickling only; the small fruits are roundish, about 2 inches long; very prickly when green. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

Japanese Climbing. A trellis variety used for shade as well as eating purposes. The vine is very ornamental, and produces extra long light green fruits in abundance. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.; lb., \$2.25.

Jersey Pickle or Green Prolific. This sort can be used for slicing but is best for pickling on account of its size, which averages 5 inches in length; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

All seeds on this page mailed post free at prices quoted.

Long Green Turkey. This is one of the large varieties, used principally for slicing. Its dark color makes it desirable for market. The vines are very vigorous and productive; the fruits are formed almost as early as the short sorts; they are firm, crisp and have a fine flavor. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

White Spined (Michell's Arlington Improved). This cucumber is absolutely perfect in form, color, size and productiveness, and is therefore the leading sort, not only for the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

ENGLISH CUCUMBERS

These are splendid for growing in hotbed frames during the summer months, in preference to the open garden ground. They can thus be started earlier and protected during cool nights, as they are more tender than the regular outdoor varieties. They may also be grown under glass in greenhouses during the winter, producing enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

Lockie's Perfection, Sion House, Telegraph, Tender and True. Per packet of 12 seeds of either of the 4 sorts above, 25c. per pkt.; 100 seeds, \$2.50.

WATER CRESS

This desirable cress may be sown early in spring near the brink of a pond of spring water or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, reseeding itself. **True Erfurt.** Pkt., 10c.; 30c. per ½ oz.; oz., 60c.; \$2.00 per ¼ lb.

GARDEN CRESS (Pepper Grass)

Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten prepared with either a little salt and vinegar, or without. Makes a very tasty salad.

Extra Curled. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 35c. per ¼ lb.; lb., \$1.00.



Water Cress



English Greenhouse Cucumbers

ALL PRICES SUBJECT TO MARKET CHANGES

(oh)



Golden Bantam

Mais (Fr.); Welschkorn (Ger.); Grano Turco (Ital.)

1½ lbs. will plant about 200 hills; 12 to 15 lbs. will plant an acre.

Plant once a week from the time the ground is permanently warm until July 15th, 6 to 8 grains, in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 to 4 plants to the hill. Early varieties should be planted for a late crop to be sure of maturity.

NOTE.—If corn is wanted by parcel post, allow for mailing at the rate of 5c. per lb.

Bantam Evergreen. A yellow Sweet Corn noted for its excellent qualities; much larger than Golden Bantam and claimed to be more productive, it is also claimed to be considerably earlier (some say two weeks) than Golden Bantam; it makes also a splendid variety for mid and late season planting. 10c. per pkt.; lb., 30c.; 55c. for 2 lbs.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs., \$6.00.

Early Evergreen. This variety is closely allied to Stowell's in shape, flavor and style, but is much earlier; produces large well-shaped ears, with deep grains. 10c. per pkt.; lb., 30c.; 55c. for 2 lbs.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs., \$6.00.

Early Mayflower. Slightly earlier than Golden Bantam. The stalk is only about 4 feet high, but the ears are exceptionally long and well filled for such an early Corn. The grains on the ear are very tender and the flavor excellent. The ears average 7 inches in length, growing very close to the stalk. 10c. per pkt.; lb., 30c.; 55c. for 2 lbs.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs., \$6.00.

***Golden Bantam.** Yellow in color, this is one of the sweetest and earliest corns. The ears are medium size, kernels tender and delicious. The plant is of dwarf growth; we recommend it very highly for the home garden. Plant it for your early picking. 10c. per pkt.; ½ lb., 20c.; 30c. per lb.; 2 lbs., 55c.; \$1.30 per 5 lbs.; 10 lbs., \$2.50; \$6.00 for 25 lbs.

Golden Cream. This variety is the result of a cross between Country Gentleman and Golden Bantam and combines the excellent qualities of both. When picked ripe is a very light yellow; after being cooked it turns darker, but not quite so much as Golden Bantam. 10c. per pkt.; lb., 30c.; 55c. per 2 lbs.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs., \$6.00.

Howling Mob. A splendid sort for the market gardener, as well as for home use. Might be classed worm-proof, since the husk covers the ear completely and in a tight fashion. It follows the Adams Extra Early types, which are not near so sweet. 10c. per pkt.; lb., 30c.; 55c. for 2 lbs.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs., \$6.00.

PLEASE NOTE.—Only varieties of Sugar Corn marked * can be supplied in ½ lb. packages.

Ideal. The grower of this variety has been carefully selecting it for many years, it is an exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored, and its extra early feature outweighs all other points against it. It comes in sooner than other white-kernel varieties like Adams Extra Early. 10c. per pkt.; lb., 30c.; 55c. for 2 lbs.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs., \$6.00.

Kendel's Early Giant. Large ears, deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Just the variety to grow for market garden trade, it gives the housewife a lot of splendid quality for her money. 10c. per pkt.; lb., 30c.; 55c. per 2 lbs.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs., \$6.00.

***Stabler's Extra Early.** This is the standard sort for the home garden. The large ear is well arrayed with even grains, which cook pure white and are very tender. 10c. per pkt.; per ½ lb., 20c.; 30c. per lb.; 2 lbs., 55c.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs., \$6.00.

A NEW CORN

*DE LUE'S GOLDEN GIANT

This corn has been widely advertised by the originator, Dr. De Lue, of Boston, and its sale has been phenomenal. From a personal test made of it our own report is as follows:

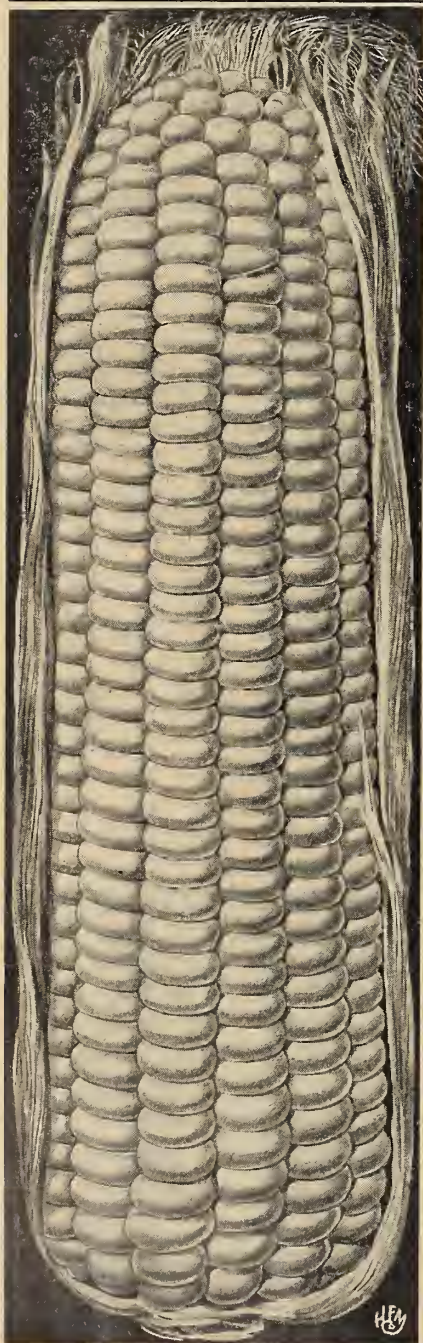
The ear is about 11 inches long, well filled out from butt to tip, and very symmetrical.

This corn cannot be termed absolutely sweet; in fact, we do not think it is quite so good as Golden Bantam, but it yields at least twice or three times as much as the latter, which is an important factor.

The kernels are staged regularly on the cob, and are fairly large. Excellent quality and a heavy yielder. The growth is very dwarf and compact, thus assuring early maturity for the ears. Pkt., 15c.; 40c. per ½ lb.; lb., 75c.; \$1.40 per 2 lbs.; 5 lbs., \$3.00.

CHOICE FIELD CORN FOR SEED

We are headquarters for the leading varieties. (See page 38.)



Michell's Delicious (See page 17)



Country Gentleman (Michell's Improved Strain)

NOTE.—Beans, Sugar Corn and Peas are now offered by the pound system instead of by the pint, quart, peck and bushel. 1 lb. equals about 1 pint. 2 lbs. equal about 1 quart. 5 lbs. equal about 2½ quarts. 10 lbs. equal about 5 quarts.

MEDIUM OR LATE VARIETIES

Black Mexican. A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium-sized and are produced abundantly. Pkt., 10c.; 30c. per lb.; 2 lbs., 55c.; \$1.30 per 5 lbs.; 10 lbs., \$2.50; \$6.00 per 25 lbs.

***Country Gentleman (Michell's Improved Strain).** A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached, and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high; a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type of ears from stalks, making a larger than usual yield. Pkt., 10c.; 20c. per ½ lb.; lb., 30c.; 55c. per 2 lbs.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs., \$6.00.

Late Mammoth. Gigantic ears of extra fine quality, produced in great quantity. This is the latest maturing and largest of all sweet corns. Pkt., 10c.; 30c. lb.; 2 lbs., 55c.; \$1.30 per 5 lbs.; 10 lbs., \$2.50; \$6.00 per 25 lbs.

Little Gem or Shoe Peg (Ne Plus Ultra).

This variety is closely allied to Country Gentleman and resembles it so closely that it is difficult to separate the two. Pkt., 10c.; 30c. per lb.; 2 lbs., 55c.; \$1.30 per 5 lbs.; 10 lbs., \$2.50; \$6.00 per 25 lbs.

Michell's Delicious. Some twenty years ago it was selected by an old-time Philadelphia gardener, who bred it until he had it perfect. Ever since we acquired control thereof we have placed it with our best sugar corn grower in New England, with instructions to grow it for us exclusively and keep re-selecting it. The ears are well filled, medium in size and mature after the early varieties. Pkt., 10c.; 30c. per lb.; 2 lbs., 55c.; \$1.30 per 5 lbs.; 10 lbs., \$2.50; \$6.00 per 25 lbs.

***Stowell's Evergreen (Michell's Improved Strain).** The best late corn grown. The ears are extra large, and produced in great abundance; stalks often grow to a height of 7 feet. In sweetness it is unexcelled, and for this reason it is the great favorite of the market and home gardener. Our strain has been re-selected and represents distinct advance in every way of this splendid variety. Pkt., 10c.; 20c. per ½ lb.; lb., 30c.; 55c. per 2 lbs.; 5 lbs., \$1.30; \$2.50 for 10 lbs.; 25 lbs. \$6.00.

NOTE.—Large packets of all varieties Sugar Corn (except where noted) 10c. postpaid. If larger quantities are wanted by parcel post, allow for postage at the rate of 5c. per lb.

CORN POPPERS

Made of the best quality wire. Price includes handle and lid. 1 qt. size, 25c. each; 2 qt. size 40c. each.



POP CORN (Shelled)

There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long, dreary evenings of winter. When popped, buttered and sugared it is not only delicious, but healthful. Not all popcorn is in the right condition for popping. What we offer, however, can be relied upon for planting and popping. **Queen's Golden (Pops white).** Lb., 20c.; 55c. for 3 lbs. **White Rice.** Lb., 20c.; 55c. for 3 lbs.

CORN SALAD (Fetticus)

Mache Ronde (Fr.); Ackersalat (Ger.).

This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover with a litter of leaves or long manure or straw, and upon approach of spring the covering can be taken off entirely. It can also be gathered on mild days during winter.

Large Leaved, Round Seeded. 5c. per pkt.; large pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.25 per lb.



Stowell's Evergreen

MICHELL'S VEGETABLE SEEDS

All seed on this page mailed postpaid to purchaser at prices quoted.

DANDELION

Pissenlit (Fr.); Loewenzahn (Ger.); Amargon (Ital.)

While this name applies to what is generally considered the most obnoxious of weeds, in a cultivated form it is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing, but very healthy and highly recommended by physicians. Seed should be sown in spring, thickly, in a bed in the garden, where the plants should remain for the season; late in the fall cover the bed with a movable sash, or leaves, or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed, unless it is desired to make wine from the flowers. A new bed should be made each season.

Thick Leaved or Cabbaging. Pkt., 10c.; 50c. per ½ oz.; oz., \$1.00; \$3.50 per ¼ lb.

DILL. Herb (Annual)

Used extensively for culinary purposes and for putting with cucumbers when pickling, producing the famous "Dill Pickles." Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

EGG PLANT

Aubergine (Fr.); Eierpflanze (Ger.); Petonciano (Ital.)

One ounce will produce about 2000 plants.

Sow seed in March in hotbeds, and when 3 inches high transplant into small pots or otherwise. Plant outdoors in May or June or after the weather has become permanently warm, in rows 3 feet apart, with the plants set 2 feet apart in the row.

SELECTED NEW JERSEY GROWN SEED

Black Beauty. An extra early, large variety, almost black in color; very prolific, and with few seeds. Pkt., 5c.; 10c. per large pkt.; ½ oz., 30c.; 60c. per oz.; ¼ lb., \$2.25.

Michell's New York Improved. An old standard; quite large and more elongated than the Black Beauty, with a rich purple color. Pkt., 10c.; ½ oz., 30c.; oz., 60c.; ¼ lb., \$2.25.

EGG PLANT PLANTS (Ready May 15th)

New York Improved, Black Beauty. Pot-grown. 10c. each; doz., \$1.00; \$7.00 per 100. Egg Plants cannot be mailed satisfactorily.



Horseradish

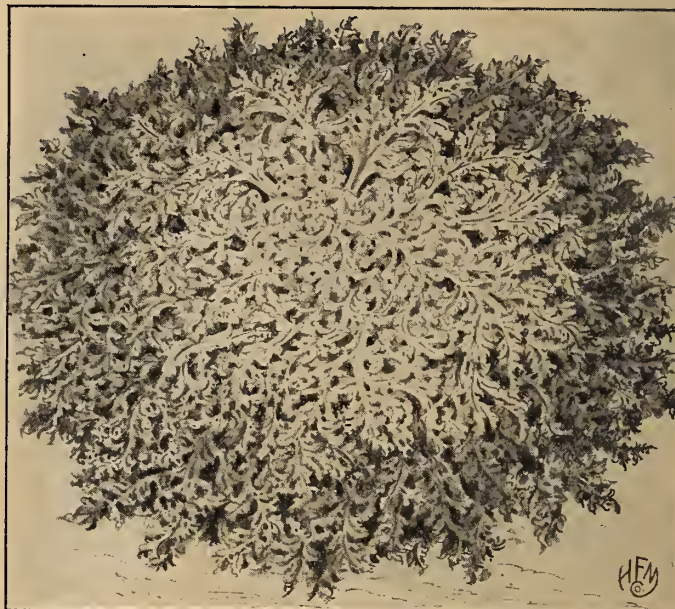
HORSERADISH ROOTS

(Ready in March)

Set the roots in spring, in rows 6 inches apart, about same distance in the row. Late in the fall lift as many roots as you think you will use, cut off the top, place them in a cool cellar, covered with soil or sand; grate as wanted. A bed once planted remains for years.

Maliner Kren (Bohemian).

Quick-growing variety and far superior to the common variety, which we have discontinued. Large cuttings, 30c. per doz.; per 100, \$1.50 (postpaid, \$1.60); \$12.50 per 1000.



Endive, Giant Fringed

ENDIVE

Chircoree (Fr.); Endivien (Ger.); Indivia (Ital.)

One ounce will sow a row of 200 ft.

Sow from June to August in shallow drills, and when 2 inches high thin out and transplant so the plants stand 10 inches apart. When fairly well developed, toward autumn, tie the plants together at the top with twine, but do this at a time when the leaves are dry. This is called the blanching process.

If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in autumn and placed in a dry, cool cellar, covering the roots with soil.

Broad-Leaved Batavian (Escarolle).

Leaves broad, light green, nearly plain. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

Giant Fringed (Oyster Endive). A variety with a large white heart and broad fringed leaves; heads measure 15 inches in diameter. Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$1.75.

Improved Green Curled. An improvement over the common green variety, producing a larger head and thicker leaves. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per ¼ lb.; lb., \$1.75.

White Curled (Self-blanching). This is the finest White Curled variety; always crisp and tender. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

FENNEL (Herb). 10c. per pkt.; ½ oz., 20c.; 35c. per oz.

HERBS. Complete list will be found on page 34.

GARLIC SETS

Ail (Fr.); Knoblauch (Ger.); Aglio (Ital.)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort. 50c. per lb.; 5 lbs. for \$2.25.

HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant. Hardy and rarely winter kills. The hops are gathered about September and stored for use on a dry floor, or hung in bags.

Pot-Grown Plants, Green Variety. 25c. each; doz., \$2.50; \$15.00 per 100.

All seeds on this page mailed postpaid at prices quoted

KALE OR BORECOLE

Chou Vert (Fr.); Grun Kohl (Ger.); Cavolo Verde (Ital.)
One ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre.

For early use it may be sown in May; when desired for winter use, sow in September, broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition. One of the finest nutritious greens for winter and early spring use.

Dwarf Green Curled. This variety is very dwarf and compact, rarely attaining a height over six inches. The color is dark green, very curly. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Imperial Long Standing. The leaves are very crimp and of a dark green color. It stands quite tall, and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per $\frac{1}{4}$ lb.; \$1.75 per lb.

KOHL-RABI

Chou Rave (Fr.); Kohl-Rabi (Ger.); Cavolo rapa (Ital.)
One ounce will produce about 2500 plants.

It is regrettable that this splendid vegetable is not more widely used. We would suggest to those who have not given it a trial that they do so. Sow seed in early spring, in hotbeds or outdoors, and transplant when 3 inches high in rows 18 inches apart, 6 inches in the row. The edible part is the root, which grows above the ground; this should be used when it attains a size of $2\frac{1}{2}$ inches in diameter or less, at this stage it is extremely tender and delicious, while if allowed to get larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root.

Blue or Purple Vienna. The flesh is white, with a bluish skin. Principally used for outdoor sowing. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; 85c. per $\frac{1}{4}$ lb.; lb., \$2.75.

Early White Vienna. This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring early maturity. Very finely grained and of excellent quality. Pkt., 5c.; 10c. per large pkt.; $\frac{1}{2}$ oz., 15c.; 30c. per oz.; $\frac{1}{4}$ lb., 85c.; \$2.75 per lb.



Giant Carentan Leek



Kohl-Rabi

LAVENDER

Seed. Pkt., 10c.; 35c. per $\frac{1}{2}$ oz.; oz., 60c.

Plants. Each, 25c.; \$2.50 per doz.; per 100, \$15.00.

MINT

Pkt., 25c.; 65c. for 3 pkts.

MINT PLANTS

Spearmint, 20c. each; doz., \$1.50; \$10.00 per 100.

Peppermint, 20c. each; doz., \$1.50; \$10.00 per 100.



LEEK

Poireau (Fr.); Lauch (Ger.); Porro (Ital.)
One ounce of seed will furnish about 2500 plants.

Allied to the onion family but producing no bulb; the stalks are cut and used for flavoring soups, also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows 1 foot apart, covering the seed about an inch, when about 4 inches high transplant where it is to develop in rich soil in rows 18 inches apart, 6 inches in the row. When fully grown, hill soil against them to blanch them; about November 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches; thus a supply may be had all winter.

Giant Carentan. A variety which produces colossal stalks of tender quality; splendid for exhibition purposes. 5c. per pkt.; large pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.10 per $\frac{1}{4}$ lb.; per lb., \$3.50.

London Flag. Popular for the home garden. Makes a longer but narrower stalk than others. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.10 per $\frac{1}{4}$ lb.; lb., \$3.50.

MANGEL-WURZEL (See page 23)

MARTYNIA (Unicorn Plant)

A bushy plant growing two feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked are pickled the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so the plants stand 2 feet apart each way.

Proboscidea. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 40c.



HEADING VARIETIES

Laitue (Fr.); Lattich Garten Salat (Ger.); Lattuga (Ital.)

One ounce of seed will produce about 2500 plants.

All Heart. An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor; can be used for sowing in frames, or in spring and early summer outdoors. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

All Right (Michell's). This is not a variety for forcing, but rather for an early spring crop in the hotbed or outdoors, and for sowing in August for late autumn under sash or outside; it is not affected by cold, which, with some sorts, turns them brown. On the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

Big Boston. A large, flat, cabbage-headed variety; splendid for midsummer or fall use, or under glass in the early spring and autumn; a delightful shade of light green, tinged light brown on the outer leaves. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.



Prize Head Lettuce

Big Boston (Davey's Improved). (See illustration page 21.) Gigantic solid heads; excellent for under glass. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.00 per $\frac{1}{4}$ lb.; lb., \$3.00.

Boston Market (White Seeded Tennisball). Early, small heading variety; one of the best for forcing; the heart is very solid and crisp. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

Dutch Butter (Private Stock). A medium-sized head; light green leaves, with delicate yellow heart. The outer leaves are tinged brown on the edges. Suitable for forcing or outdoor planting. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

Hanson Improved. Tremendous solid heads; the outer leaves are curled, the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces probably the heaviest head of lettuce of any variety. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

May King. The first solid head lettuce to mature outdoors, hence its name; it is of good size, with tender, full heart. Suitable for sowing under sash in early spring. 5c. per pkt.; large pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.



Michell's Number One Lettuce

Michell's Number One. This lettuce is a positive header under most trying conditions. It is tender, of a decided buttery flavor and unusually large. A valuable type for hot weather; also desirable for autumn use. Should not be used for forcing. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 per lb.

Prize Head. A splendid loosely-formed head, claimed to do well where all others fail; desirable for outdoor planting only; has a dark tinge on the outer leaves; good for spring and summer use. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 per lb.

Salamander (Mammoth). One of the best midsummer varieties, resisting heat and drought, and remains in heading condition longer than many others. The heads are enormous, a fresh green color; loose leaves can all be used, as they are brittle and tender. This strain is an improvement on the usual form. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

Wayahead. The earliest hard heading lettuce in cultivation, doing well either under glass or in the open, in spring or autumn. The heart is a golden buttery color, and of delicious flavor. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

Wonderful. Of the cabbage-headed sorts this is a leader; the color is dark green, with white interior; the heads are large, having curled outer leaves; popular kind for summer. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.



New York or Wonderful Lettuce

MICHELL'S CHOICE STRAINS OF LETTUCE—Continued 21

LOOSE LEAF OR CUTTING VARIETIES

For early or midsummer use seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class of lettuce is always tender and is preferred by many to the heading varieties.

Black Seeded Simpson. Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

Grand Rapids (Special Strain). The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. 5c. per pkt.; large pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

Silesian. This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color, and when given plenty of room will form a large loose head. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.

COS, ROMAINE OR CELERY LETTUCE

Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth; it has a decided flavor. To have it tender the heads must be tied together at the top so that the inner leaves blanch. It is best adapted to outdoor planting and stands the heat well. When thinning out remember that they require less room than the regular heading varieties.

Kingsholm Cos. The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. 5c. per pkt.; large pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.00 per lb.



Lettuce—Kingsholm Cos

ALL SEEDS on this page mailed postpaid at prices quoted



Lettuce—Davy's Improved Big Boston

LETTUCE PLANTS

We can supply these (at all seasons) in heading varieties only, of our selection. 25 for 20c.; 75c. per 100 (postpaid, 85c.); per 1000, \$6.00.

LETTUCE GARNISHINGS

Chervil. One of the most delicious flavoring plants in cultivation. The leaves are finely cut and mixed with the lettuce, or distributed as gathered, on top. 5c. per pkt.; large pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Chives. Possess a delicate onion flavor; adds a piquancy without being objectionable like onion. The top is cut off the plant (not too close) and chopped finely and added in small quantities to the dish of salad. Strong plants, 15c. each; doz., \$1.50; \$10.00 per 100.

Tarragon (Estragon). Perfectly hardy, and once established remains for years; the foliage is finely cut and spread over the lettuce. It is also put into vinegar, to which it imparts a flavor. Plants, 30c. each; doz., \$2.50; \$18.00 per 100.

BALL PLANT PROTECTOR

Not less than 6 of a size can be supplied. Not mailable.

For tomato, cucumber, melon, egg plants, etc. It allows you to set these out several weeks earlier than would otherwise be possible. Made with strong wooden frames and good muslin.

No. 1. 9 in. diam. 12 in. high.	
Per 6	Per 12
\$2.00	\$3.80

No. 2. 12 in. diam. 15 in. high.	
Per 6	Per 12
\$2.35	\$4.50



The Ball Plant Protector

ALL PRICES SUBJECT TO MARKET CHANGES

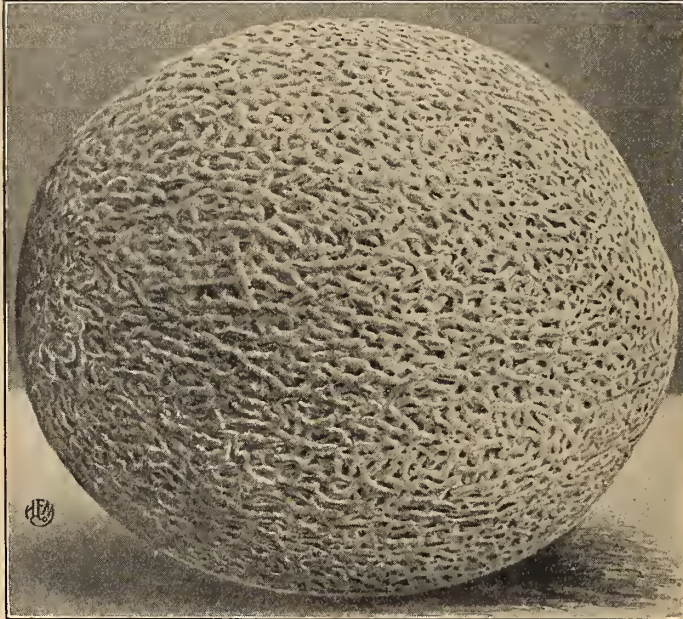
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MICHELL'S MUSKMELON OR CANTALOUPE

Melon Muscade (Fr.); Melone (Ger.); Popone Melone (Ital.)
One ounce will plant about 50 hills; 2½ lbs. are required for an acre

All Prices Quoted
are Postpaid

While these do best to reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants in a hill. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with "Black Leaf 40," Pyrox, or Arsenate of Lead. When the vines have made a good start, they are not bothered with insects thereafter.



Delicious Gold Lined Melon

Delicious Gold Lined. Flesh thick, fine-grained and sweet; color green, with a gold margin next to the seed cavity; slightly oval and heavily netted. A variety which every melon planter should not overlook to include in his list. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 per lb.

Emerald Gem. Among the standard varieties, this has long been a leader. The flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons when you eat once of you remember for a long while. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 per lb.

Fordhook. This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is claimed to be an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; an early variety, and always prolific. The netted rind is very thin and the melon can be eaten very close thereto. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 per lb.

Honey Dew. A late maturer, it might easily be termed a family melon because one is large enough for a number of people. It is large in size, being 6 inches in diameter and from 7 to 8 inches long. The skin is smooth with an occasional net, and creamy white. The thick flesh is emerald green, melting, and of a wonderfully delicious flavor, sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using. In fact, they can be placed in cool storage and kept until Christmas. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.50 per lb.

Jenny Lind. A small, flat, very early sort; heavily netted and ribbed; green flesh; an altogether good variety to plant with others, using this for the first picking. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 65c. per ¼ lb.; lb., \$2.00.

Michell's Delicious. This deservedly enjoys a good name, it is one of the very large, irregular pumpkin-shaped melons, with a smooth, silver-gray rind. The flesh is very deep orange-salmon. Pkt., 20c.; 60c. per ½ oz.; \$1.00 per oz.

MICHELL'S
IMPROVED STRAIN
ROCKY FORD



Michell's Rockyford (Improved Strain). The outside is a light green, well-netted, changing to a grayish color. It is mostly all meat, with a very small seed cavity, and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 per lb.

FORCING MELONS (English Varieties)

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers.

Blenheim Orange, Invincible-Scarlet, Windsor Castle. Each variety per pkt., 30c.

Sutton's A1. In original packets, \$1.25 per pkt.

MELON NETS. For supporting forcing melons in greenhouses; made very strong; will last for a number of crops. \$2.25 per doz.; per 100, \$15.00.

"BLACK LEAF 40"

This is perhaps the best destroyer of aphid and melon lice that we know of, it is a 40 per cent. solution of Nikoteen, and when used according to directions, being sprayed under the foliage of melon vines, it will destroy practically every garden pest. Prices (subject to change): 1 oz., 25c.; \$1.15 per ½ lb.; 2 lbs., \$3.50; \$14.50 for 10 lbs.

MUSTARD

One ounce will sow a row 75 feet long. It makes a delicious green salad, pungent in taste, highly palatable and healthy. Sow every two weeks in rows the same as spinach. It must be used while young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce for flavoring. The seed can be harvested if the plant is allowed to stand and used for other culinary purposes.

Southern Giant Curled.

The best of the curled mustards; of sweet flavor; matures very early and produces abundant foliage. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; \$1.00 per lb.

White or Yellow. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 30c. per ¼ lb.; lb., \$1.00.



Mustard



Melon d'eau (Fr.); Wasser Melone (Ger.); Cocomero (Ital.)

One ounce will plant thirty hills, four pounds for an acre.

Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every 3 feet. A little land plaster dusted over the young plants will keep beetles away. Watermelons require planting after the soil has become thoroughly warm, say about May 10th in the latitude of Philadelphia. Our list of watermelons is limited, as we offer only the varieties which from experience we know are the better ones. **Note.**—Watermelon seed sent post-paid at prices quoted.

Dixie. The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the old-time favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 40c. per ¼ lb.; lb., \$1.25.

Halbert Honey. An ideal family garden, or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green, while the flesh is a rich crimson. It tastes like a sugar stick and it melts under pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you.

MANGEL-WURZEL OR CATTLE BEETS

Seed selected from specimen roots.

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills about 24 inches apart. Thin out to 12 inches apart in the row, and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzels. They provide excellent winter food for cattle, sheep, hogs and poultry.



Mitchell's Mammoth Long Red and Golden Tankard Mangels

Kleckley Sweets. A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

Tom Watson. A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh, which is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities. The rind being tough, it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

PRESERVING MELON, OR CITRON

A large-fruited variety; pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

California Red Seeded. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 50c. per ¼ lb.; lb., \$1.50.

"BLACK LEAF 40"

A splendid nikoteen preparation for spraying under the foliage of melon vines, for destroying the aphids, green fly and melon louse. Oz., 25c.; \$1.15 per ½ lb.; 2 lbs., \$3.50; \$14.50 per 10 lbs. If wanted by parcel post allow for mailing.

Golden Tankard. The best long yellow mangel in cultivation. Relished by cows, sheep and hogs. Matures earlier than other large sorts. Pkt., 5c.; 10c. per oz.; ¼ lb., 20c.; 65c. per lb.; 5 lbs., \$3.00.

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. Pkt., 5c.; 10c. per oz.; ¼ lb., 20c.; 65c. per lb.; 5 lbs. for \$3.00.

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 75 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. Pkt., 5c.; 10c. per oz.; ¼ lb., 20c.; 65c. per lb.; 5 lbs., \$3.00.

Red Globe. An excellent sort; very prolific; good for late planting. Pkt., 5c.; 10c. per oz.; ¼ lb., 20c.; 65c. per lb.; 5 lbs. for \$3.00.

Yellow Globe. Contains a large amount of sugar properties, and can be used for replanting quite late. Pkt., 5c.; 10c. per oz.; ¼ lb., 20c.; 65c. per lb.; 5 lbs., \$3.00.

Note.—If Mangel-Wurzel is desired by parcel post, please allow 8c. per lb. for mailing charges.

ALL SEEDS offered on this page mailed at quoted prices except Mangel-Wurzel.

MICHELL'S VEGETABLE SEEDS, ETC.



MICHELL'S "SUPERIOR" MUSHROOM SPAWN

If wanted by mail, allow for postage at rate of 10c. per brick.

Mushrooms are within the reach of anyone who has a greenhouse or a cellar. A crop is produced with good spawn, and a little care and patience in about 4 to 6 weeks, and continues bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well. Ask for our Free Booklet on Mushroom Culture, which also describes, further, these different spawns. 1 Brick will spawn 8 to 10 sq. ft.

BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain, originating in the section of Pennsylvania that supplies New York and Eastern markets with mushrooms. It appears to be especially full of life and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per Brick.....	\$0.35	Per 10 Bricks.....	\$2.75
Per 5 Bricks.....	1.50	Per 25 Bricks.....	6.50
Per 50 Bricks.....			\$12.50

AMERICAN SPORE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by the spore process, now regarded as the very best method of making. Pure culture bricks of spawn, when planted, produce mushrooms all of one type.

Direct No. 8. Cream White. For use from April to October.

Direct No. 9. Pure White. For use from October to April.

Per Brick.....	\$0.35	Per 10 Bricks.....	\$2.75
Per 5 Bricks.....	1.50	Per 25 Bricks.....	6.50
Per 50 Bricks.....			\$12.50

Books on Growing Mushrooms

Pamphlet (gratis for a postal card asking for it).

Falconer's Book.....\$1.50



MUSHROOM OR HOTBED THERMOMETERS

Heavy Galvanized Iron Point.....	\$2.25
Brass Point Wood Case Paper Scale.....	2.00

Thermometers should, wherever possible, be sent by express. We do not guarantee safe arrival if forwarded by parcel post.

The last Mushroom Spawn I obtained from you is giving us the most delicious mushrooms I ever tasted. M. BAYARD

Rydal, Pa.

Prices of all seeds quoted on this page (except Mushroom Spawn and Onion Sets) postpaid.

OKRA OR GUMBO

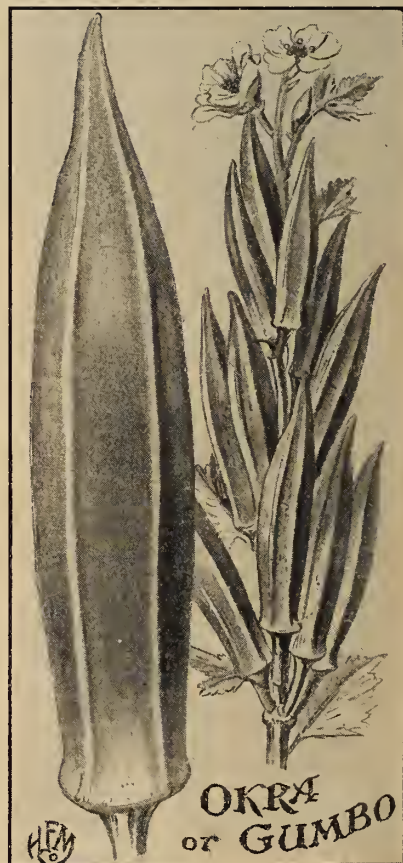
Gombo (Fr.); Essbarer Hibiscus (Ger.); Ibisco (Ital.)

One oz. will plant a row about 200 feet long; 1 lb. required for 3000-foot row.

The seed is sown in rows, thickly, like peas (in ground that is rich), after the frost and cold have disappeared, the rows, 3 feet apart; when about 6 inches high the plants should be thinned out to stand 6 inches apart in the row. The pod is used when young and tender sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun; after being cured in this way it should be put on the pantry shelf for use during the winter. In this way one may have Chicken Gumbo soup any day of the year.

Perkins' Long Pod (Improved Strain). A wonderful dwarf type, setting pods when the plants are only a foot high. It can be planted somewhat earlier than other sorts. The pods are exceedingly long and tender and of a dark green color. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 30c. per 1/4 lb.; lb., 85c.

White Velvet or Creole. The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green, almost white in color. Pkt., 10c.; 15c. per oz.; 1/4 lb., 30c.; 75c. per lb., postpaid.



ONION SETS

One quart will plant a row about 50 feet

Plant just as soon as the ground can be worked. Press the bulb in the ground lightly (and do not cover), in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion, on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in the locality of Philadelphia for winter storage as early as July 10th. The advantage in planting onion sets lies in the fact that the young onion is ready often in 5 weeks from the time of planting, while those grown from seed cannot be used until well in the autumn. For illustration see page 25.

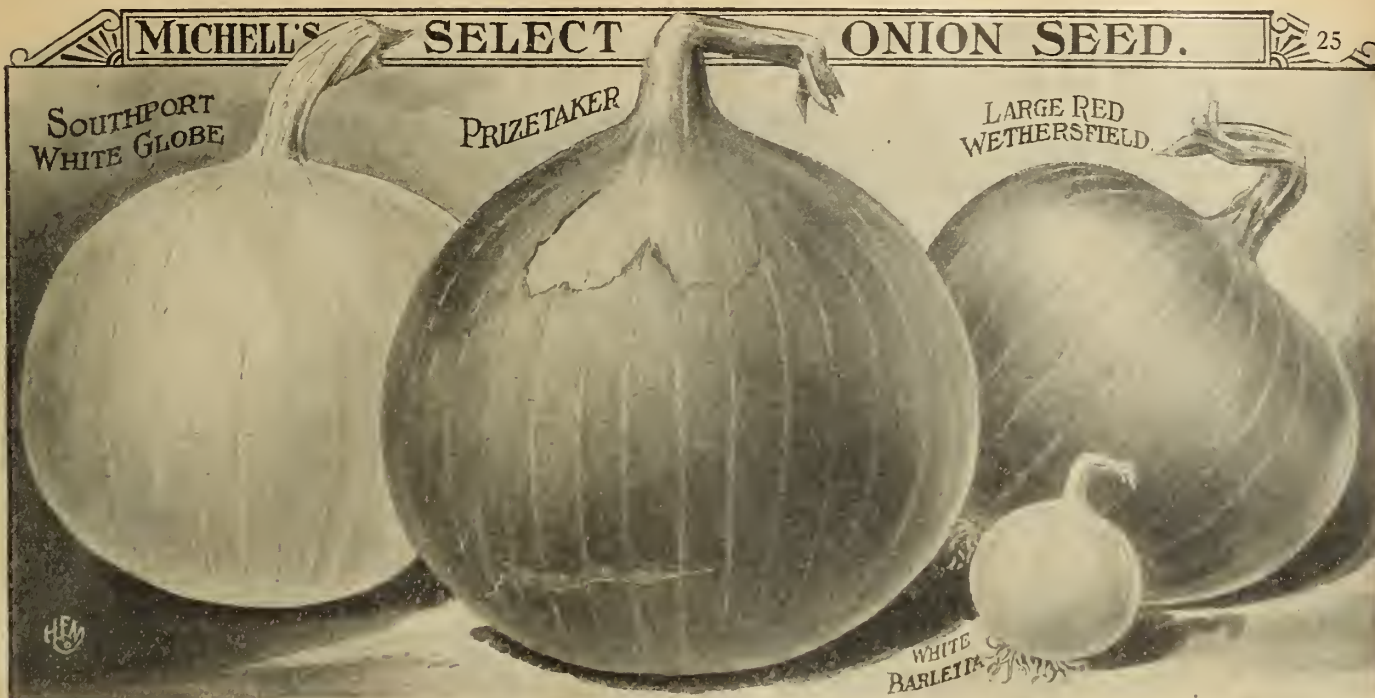
Shipped on Local Orders about March 10, unless otherwise requested.

If wanted by mail, add 5c. per pint and 10c. per quart for postage.

	Pint	Quart		Pint	Quart
Yellow.....	\$0.15	\$0.30	White Multiplier	.20	.40
White.....	.20	.40	Potato Onions..	.20	.40
Red.....	.20	.40	Shallots.....	.30	.60

Tree or Top Onions. Can be supplied in September and October. Garlic Sets. Per lb., 50c.; \$2.25 per 5 lbs. We give 32 lbs. per bushel on Onion Sets.

Prices change constantly. Prices for larger quantities than here quoted on application.



Ognon (Fr.); Zwiebel (Ger.); Cipolla (Ital.)

To grow full size onions, one ounce of seed will sow a 100-foot row; 5 to 6 pounds are required per acre. If it is desired to grow onion sets, sow 25 to 30 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when 3 inches high, so that they stand about 2 or 3 inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping.

Ailsa Craig. The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at the top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplant where they are to grow; in planting place 4 to 6 inches part and thus procure gigantic specimens. Pkt., 15c.; 40c. per $\frac{1}{2}$ oz.; oz., 75c.; \$2.25 per $\frac{1}{4}$ lb.; lb., \$7.00.

Bermuda White. An early variety; with an immense flat partially globe-shaped bulb, producing (when transplanted about 4 inches apart) gigantic onions the first season. In the raw state it is very mild, while, when cooked, the flesh is tender and of a delicious flavor. For slicing it is one of the best. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.; lb., \$4.00.

Danvers Yellow Globe. This almost round-shaped onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to a large size. 5c. per pkt.; large pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.00 per $\frac{1}{4}$ lb.; lb., \$3.50.

Giant Gibraltar. While not a new variety it is a splendid sort for the home garden. It grows to a mammoth size, some claim it to be even larger than Ailsa Craig under the same growing conditions. It is a light straw-yellow color, in shape not quite so globular as the former. It is rather mild in flavor and a splendid keeper. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 50c.; \$1.75 per $\frac{1}{2}$ lb.; lb., \$6.50.

Large Red Wethersfield. A flat, large growing variety. The red onions are excellent winter keepers; flavor much like the yellow sorts; full-size onions can be grown in one season. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.00 per $\frac{1}{4}$ lb.; lb., \$3.50.

Prizetaker. A mammoth yellow variety; if sown thinly it produces full-size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. or more each. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.00 per $\frac{1}{4}$ lb.; \$3.50 per lb.

Southport Yellow Globe. Similar to the Danvers except larger in size, more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.00 per $\frac{1}{4}$ lb.; lb., \$3.50.

All seeds offered on this page sent postpaid at quoted prices.

Southport White Globe. A beautiful type of an almost round onion, growing to an enormous size. This is perhaps the best onion of all for family use. The flesh when cooked is of a rich milky color, of tender and delicious flavor, and in the raw state it is one of the mildest. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.00 per $\frac{1}{4}$ lb.; lb., \$3.50.

White Barletta. Extra early small round variety, used principally for pickling. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.10 per $\frac{1}{4}$ lb.; lb., \$4.00.

Winter Keeper. A new round-shaped yellow variety of good size; a wonderful keeper, lasting well into the summer. For home garden or market purposes it should prove to be a winner. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.10 per $\frac{1}{4}$ lb.; lb., \$4.00.

White or Silver Skin. The standard white onion for market or home use; it is of very mild flavor; semi-globe shaped and very uniform in growth and size. Pkt., 5c.; 10c. per large pkt.; $\frac{1}{2}$ oz., 15c.; 30c. per oz.; $\frac{1}{4}$ lb., \$1.10; \$4.00 per lb.

Yellow Strasburg or Dutch. A dark straw color skinned sort; almost flat in shape, but a large onion. Its fine keeping qualities is what recommends itself to the home, as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets, more of this variety is sold than any other. One of the best winter keepers. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.50 per lb.

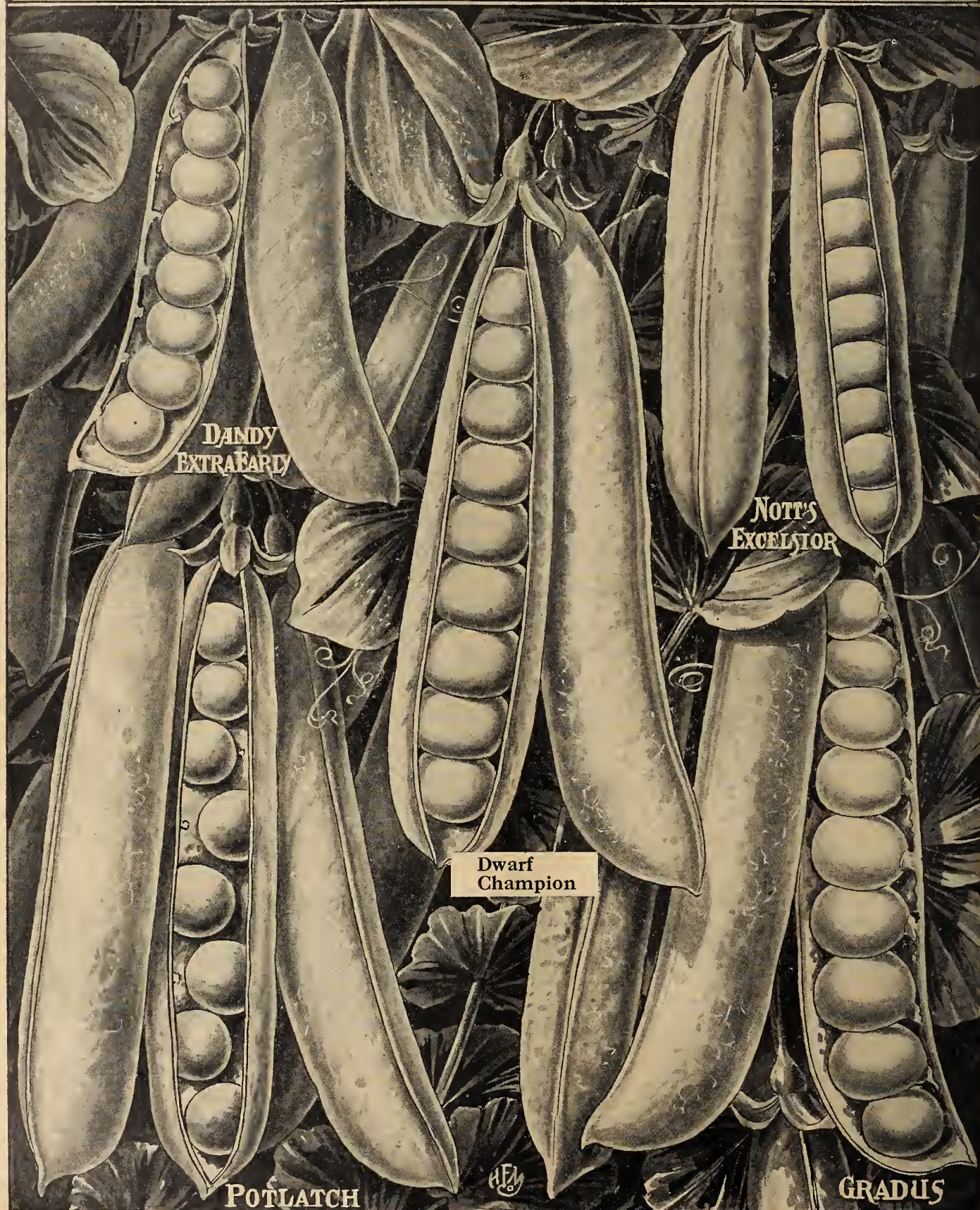


We make a specialty of Choice Onion Sets (see Page 24).

ONION CULTURE. A good book by a Practical Grower, 80c. per copy.

BOOKS ON GARDENING AND FARMING, ETC.

The pleasures of gardening are materially increased with the aid of a good book on the subject. On page 160 of this catalog is offered a comprehensive list of them, which cover almost every phase of gardening. Add a few copies to your library.



Pois (Fr.); Erbsen (Ger.); Pisello (Ital.)

2 lbs. will plant 100 ft. of row; 90 to 120 lbs. per acre.

NOTE.—If Peas are wanted by parcel post, allow for mailing charges at the rate of 5c. per lb.

Large Pkts. of all Varieties of Peas, 10c. Postpaid.

The smooth-seeded varieties may be sown as soon as the ground can be worked; the wrinkled sorts when the ground has become warmer. The distance apart for planting depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and a final planting again about August 15th. For the last planting use the dwarf early varieties.

EXTRA EARLY VARIETIES

Alaska. Smooth seeded; very early; height 2½ feet. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.25 per 25 lbs.

Ameer. This is referred to sometimes as "Large Podded Alaska," on which it is a distinct improvement; smooth seeded; very early; height about 2½ ft. Pkt., 10c.; 40c. per lb.; 2 lbs., 80c.; \$1.50 for 5 lbs.; 10 lbs., \$2.90; \$6.75 for 25 lbs.

Dandy Extra Early. This is a selection of the Eureka, but will be found far superior; smooth seeded; very prolific and desirable for the kitchen and market garden; height 24 inches. Pkt., 10c.; 20c. per ½ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.50; \$2.70 per 10 lbs.; 25 lbs., \$6.25.

Early June. A green seeded, smooth pea, desirable for first planting, an improvement on Alaska; height, 2½ feet. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.80; \$6.50 per 25 lbs.

Early Morn. One of the earliest of wrinkled peas. The pods are large and well filled; mature in 60 days; very prolific. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.75 per 5 lbs.; 10 lbs., \$3.30; \$7.75 per 25 lbs.

Gradus or Prosperity. Never was there a pea offered which is so largely demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.75 for 5 lbs.; 10 lbs., \$3.30; \$7.75 for 25 lbs.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Pkt., 10c.; 45c. per lb.; 2 lbs., 80c.; \$1.90 for 5 lbs.; 10 lbs., \$3.60; \$8.50 for 25 lbs.

Mitchell's Special Ex. Early. Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender; a grand yielder; height, 24 inches. Pkt., 10c.; 40c. per lb.; 2 lbs., 80c.; \$1.75 per 5 lbs.; 10 lbs., \$3.30; \$7.75 per 25 lbs.

Nott's Excelsior (Improved Strain). A splendid early wrinkled pea, producing heavy crops of full pods very early. One of the leading varieties for the home or market garden. Height, 15 inches. Pkt., 10c.; 40c. per lb.; 2 lbs., 80c.; \$1.75 per 5 lbs.; 10 lbs., \$3.20; \$7.50 per 25 lbs.

Sutton's Excelsior. This wrinkled variety is quite hardy and can be planted earlier than most other wrinkled sorts; very early. It grows about 16 inches high, and makes a long, broad pod, well filled. Pkt., 10c.; 45c. per lb.; 2 lbs., 80c.; \$1.90 per 5 lbs.; 10 lbs., \$3.60; \$8.50 per 25 lbs.

The Pilot or Leader. The earliest of round-seeded varieties. The pods and peas are nearly as large as those of Gradus. It can be planted, of course, much earlier. The vines are of vigorous growth, 3 feet high, and produce an abundance of pods. The peas are of finest flavor. Pkt., 10c.; 40c. per lb.; 2 lbs., 80c.; \$1.75 per 5 lbs.; 10 lbs., \$3.20; \$7.50 per 25 lbs.

Thos. Laxton. Heavy producer; wrinkled; exceedingly early. Pods are large and filled with large peas of excellent flavor. Its heavy cropping qualities make it suitable for an early crop in the private garden; height, 36 inches. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.75 per 5 lbs.; 10 lbs., \$3.30; \$7.75 per 25 lbs.

SECOND EARLY VARIETIES

Bliss Abundance. Produces very large pods containing six and even more peas of a delicious flavor; a great yielder; wrinkled; height, 20 inches. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.25 per 25 lbs.

Daisy or Dwarf Telephone. One of the best medium early sorts, bearing large pods in the greatest abundance; wrinkled and very sweet; height, 18 inches. Pkt., 10c.; 45c. per lb.; 2 lbs., 80c.; \$1.90 per 5 lbs.; 10 lbs., \$3.60; \$8.50 per 25 lbs.

Potlatch. A wrinkled variety, similar to Daisy, very sweet; produces pods well filled with peas. Pkt., 10c.; 40c. per lb.; 2 lbs., 80c.; \$1.75 per 5 lbs.; 10 lbs., \$3.30; \$7.75 per 25 lbs.

Yankee Prince. A large podded wrinkled sort; heavy yielder; pods often measure 6 inches in length, and well filled with large peas of delicious flavor; height 4 feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.75 for 5 lbs.; 10 lbs., \$3.30; \$7.75 for 25 lbs.

GENERAL OR LATER CROP VARIETIES

Champion of England. A very tall, rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Many of the old-time gardeners still cling to this as their favorite. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.80; \$6.50 per 25 lbs.

***Dwarf Champion.** Possesses most all the good qualities of the famous Champion of England, and has the further advantage of being dwarf; a very delicious pea which should be planted extensively; height, 2 feet. Pkt., 10c.; 20c. per ½ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.50; \$2.90 per 10 lbs.; 25 lbs., \$6.75.

Long Island Mammoth. A very large podded semi-wrinkled variety; a great favorite with the market gardener; heavy yielder; height about 2½ feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.75 for 5 lbs.; 10 lbs., \$3.30; \$7.75 for 25 lbs.

Telephone (Tall). The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, 3½ feet. Pkt., 10c.; 45c. per lb.; 2 lbs., 80c.; \$1.90 per 5 lbs.; 10 lbs., \$3.60; \$8.50 per 25 lbs.

SUGAR OR EDIBLE POD PEAS

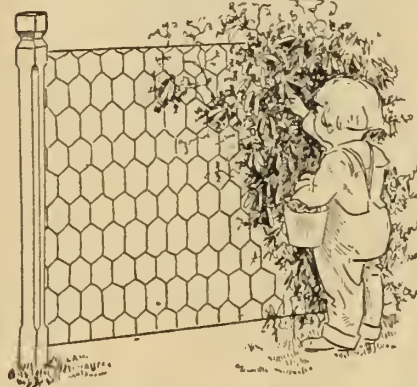
This type produces large, well-filled pods. They are cooked with the peas intact; very tender and exceedingly sweet. They cook rather to brownish finish, but make a delicious vegetable.

Dwarf Gray Sugar. Gray seed; height, 2 feet. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.90.

Tall Melting Sugar. Gray seed; height, 4 feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.75 per 5 lbs.; 10 lbs., \$3.30.

WIRE PEA TRELLIS

The ideal support for garden peas and sweet peas; neater, more economical than brush; can be rolled up when the season is over and stored. Made of strong galvanized netting and substantial uprights; neatly painted and finished. Ten-foot sections, 48 inches high. Price upon application.



IMPROVED WATER SEAL CANNER



REDUCE YOUR HOUSEHOLD EXPENSES

Put up your own Vegetables and Fruits with an Improved Water Seal Canner. It gives the necessary rapid application of heat, and maintains it uniformly as long as required. Therefore it insures canned fruits and vegetables that retain their natural color, delicious flavor, rich food value and firmness. Strongly built of galvanized iron, with brass fittings. The Water Seal Canner is portable and adapted to kitchen stove, gas range or open fireplace.

No. 1, capacity 13 one-quart glass jars, or 17 three-pound cans, \$12.50 each.

No. 7, capacity seven one-quart glass jars or 10 one-pint glass jars, \$7.00 each. Write for special circular.

NITROGEN GATHERING BACTERIA

For promoting the growth of peas and big crop yields, will be found of great advantage; it encourages vigorous vines, well-filled pods, and makes it possible for the plants to withstand drought and disease better. When ordering be sure and specify for what crop this is wanted. We offer two brands:

Mulford Germ. 35c. per trial bottle; 75c. per ¼ acre bottle; 1 acre bottle, \$1.50.

Standard Bacteria. Trial size 25c.; garden Size, 50c.; 75c. per acre bottle.

MICHELL'S VEGETABLE SEEDS



Double Curled Parsley

PARSLEY

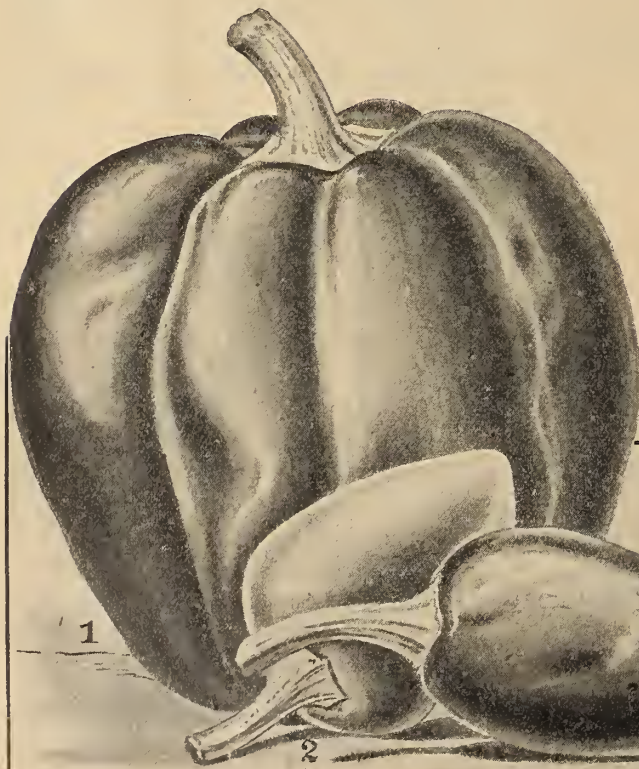
Persil (Fr.); Petersilie (Ger.); Prezzerolo (Ital.)
One ounce will sow a row 100 ft. long.

After soaking the seed for a few hours in warm water, it should be sown in rows 18 inches apart, and when 2 inches high thinned out so the plants will stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is necessary. Parsley can be continued over winter, if given a heavy covering of long manure.

Champion Moss Curled. Beautifully crimped and curled. It can be cut the year round. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 50c. per $\frac{1}{4}$ lb.; lb., \$1.50.

Double Curled or Covent Garden. A great improvement over all other varieties; nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.00 per lb.

Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.



PEPPERS. 1, Chinese Giant. 2, Pimiento. 3, Cayenne.

All seeds offered on this page (not plants) mailed postpaid at quoted prices.

PARSLEY PLANTS (Ready in April)

Large specimens; pot-grown, ready for use. 10c. each; doz., \$1.00; \$7.00 per 100. These plants cannot be mailed satisfactorily.

PARSNIP

Panaïs (Fr.); Pastinake (Ger.); Pastinaca (Ital.)

One ounce will sow a row 150 feet long; 5 lbs. per acre.

Sow early in the spring in drills about 24 inches apart, covering the seed slightly; when the plants are 2 or 3 inches high, thin out so the roots will develop; cultivate well during the growing season.

Improved Sugar or Hollow Crown. A very thick, broad-topped root, which makes it lift easily. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white. It yields enormous crops. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 40c. per $\frac{1}{4}$ lb.; lb., \$1.25.

PEPPER

Piment (Fr.); Pfeffer (Ger.); Peperone (Ital.)

One ounce produces 1200 plants.

Sow the seed in a hotbed or window box about March 1st. Transplant to the open when all danger from frost is over, in rows 3 feet apart, 15 inches apart in the row.

Bell or Bull Nose (Sweet). Very thick flesh, perfectly mild and a great producer. The large fruits are green, turning to vivid scarlet; fine for slicing on tomatoes, or stuffed as mangoes. Pkt., 5c.; 10c. per large pkt.; $\frac{1}{2}$ oz., 35c.; 65c. per oz.; $\frac{1}{4}$ lb., \$2.25.

Cayenne. A long red variety; very hot and used principally for bunching with pot herbs. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.

Chinese Giant. A monster pepper; perfectly sweet; green fruit, turning bright scarlet; matures very late; a very shy seeder. Fine for stuffed mangoes. Pkt., 10c.; 35c. per $\frac{1}{2}$ oz.; oz., 70c.; \$2.50 per $\frac{1}{4}$ lb.

Golden Dawn. A large yellow variety, shaped like the Chinese Giant; very sweet. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.40 per $\frac{1}{4}$ lb.

Pimiento. A splendid, uniformly shaped, sweet variety. Green fruit, changing to red when fully ripe. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 60c.; \$2.25 per $\frac{1}{4}$ lb.

Ruby Giant. Very large; adapted for stuffing; mild flavor. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 60c.; \$2.25 per $\frac{1}{4}$ lb.

Ruby King. A large red variety resembling Bull Nose. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 60c.; \$2.25 per $\frac{1}{4}$ lb.

World Beater. This variety is very similar to Ruby Giant, in fact some claim it to be an improvement over that variety. Choice seed, grown in New Jersey. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 60c.; \$2.25 per $\frac{1}{4}$ lb.

PEPPER PLANTS (Ready in May)

Pot-grown Plants. 10c. each; doz., \$1.00; \$7.00 per 100.

Testimonial

Boyertown, Pa.

We have a fine garden, the best vegetables in this neighborhood, and grown entirely from Michell's Seeds.

W. E. H.



TIME OF SHIPMENT.—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship at customer's risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of \$1.25 each for barrels.

Beats Them All (*Michell's*). This famous variety has given the best results wherever tried, yielding more than any other early potato; quality fine; extremely early, coming in about one week or ten days earlier than Early Rose. Oblong in shape.

Bliss Triumph, or Red Bliss. A very early thin-skinned variety; they are frequently offered as Southern or Bermuda potatoes.

Dibbles Russet. A splendid late variety; claimed to be absolutely rust and blight proof; medium size; oval or flat in shape.

Early Rose (*Houlton or Maine*). A leading variety for earliness, quality and productiveness; pink skin; oblong shape.

Gold Coin. This potato seems to be in great demand, though by no means a new one. It is large, somewhat roundish flat and a wonderful cropper; a late maturer.

Green Mountain. An excellent general crop variety; white, roundish flat.

Irish Cobbler. A splendid sort, almost round in shape.

Jersey Red Skin. These are especially adapted for planting in light, sandy soil late in June and in early July. They are oval shaped, medium size and cook pure white.

State of Maine. An old favorite, grown by every gardener; good keeper; flat in shape.

Prices on Seed Potatoes are established about March 1st.



Sweet Potatoes

SWEET POTATO PLANTS (Ready in May)
Yellow and Red Nansemond. Per 100, \$1.00; \$7.50 per 1000.
We regret we cannot supply tubers of sweet potatoes.

HYBRIDIZED POTATO SEED

Growing new and distinct Seedling Potatoes from the seed is intensely interesting. See page 4 for illustration and full description. Pkt., 15c.; 25c. for 2 pkts.

CONCAVE POTATO KNIFE

Made of best steel with concave blade. Price, 35c.; \$1.00 for 3.

POTATO SCAB DESTROYER

(A Formaldehyde)

Dilute 1 quart in 25 gallons of water and soak the seed potatoes in this solution for 2 hours before cutting. They should then be taken out and dried; 25 gallons treating liquid is sufficient for approximately 15 bushels of potatoes. 85c. per pt.

POTATO CULTURE (By Rogers)

A practical treatise on this very important crop. Per copy, 60c.; postpaid.



PEANUTS

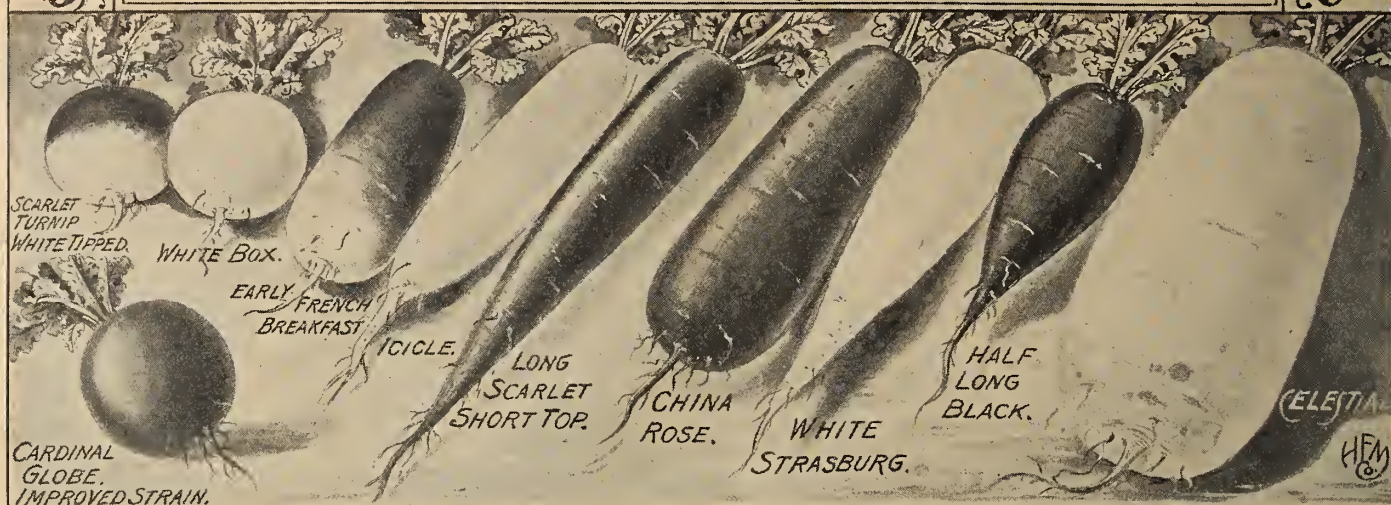
Arachide (Fr.); Erdnuss (Ger.); Cece de terra (Ital.)

One bushel nuts unshelled will plant an acre, but shell must be removed beforehand.

It is generally believed peanuts cannot be grown anywhere north of Virginia, but this is a mistake; most any well-drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen.

Selected Virginia. ½ lb., 25c.; 40c. per lb.; 5 lbs., \$1.75.

PENNYROYAL (Herb). Pkt., 10c.; 35c. per ½ oz.; oz., 60c.



Radis (Fr.); Radieschen (Ger.); Ravanelli (Ital.)

One ounce of seed will sow a row about 75 feet long; 8 to 10 lbs. are required for an acre.

Radishes should be sown in good rich ground, where they can make rapid growth, for then only do they produce the best results. The winter radishes are sown in July and are developed by autumn, at which time they may be taken up and stored in cool cellars, and covered with sand.

EARLY VARIETIES

Cardinal Globe (Improved Strain). This popular radish will be welcomed readily in an improved form. The color and shape, a vivid scarlet oval form, are perfect. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per $\frac{1}{4}$ lb.; lb., \$1.75.

Early French Breakfast. Oblong shape; rapid grower; very mild and tender; of a beautiful scarlet color, tipped with white. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Icicle (Improved Strain). A magnificent white variety of fine taste; grows $3\frac{1}{2}$ to 4 in. long in 22 days. Also suitable for summer sowing. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Long Scarlet Short Top, or Salmon. A favorite variety; long, bright scarlet with small top. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Round Red Forcing, or Button. Very quick in maturing; splendid for hotbed or garden culture. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Scarlet Turnip, White Tipped. Fine early scarlet variety with white tip. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

White Box, Felton's (Private stock). A selection of the old reliable White Box radish; more perfect form, producing shorter tops, and does not have a tendency to grow long in shape. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 50c. per $\frac{1}{4}$ lb.; lb., \$1.50.

NOTE—All seeds offered on this page are mailed postpaid at prices quoted.

Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines, they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working.

Cashaw, or Golden Crook Neck. A very meaty sort; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.50 per lb.

Connecticut, or Common Field. Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.40 per lb.

Japanese Pie. A crook-necked variety; deep green with darker stripes, which turn to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed, which is curiously marked like Japanese letters of the alphabet. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.50 per lb.

Large Cheese. A very large, flat-ribbed fruit, of a beautiful, buff yellow color; the interior is of fine quality. An enormous producer; ideal for market, home gardens and canning purposes. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

SUMMER AND WINTER VARIETIES

Celestial, or White Chinese. Large size. Pure white; excellent keeper. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

China Rose. Bright rose color; flesh firm. One of the best for winter use. Half-long in shape with a scarlet blunt tip. Winter radishes should be cultivated more extensively than they are. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Half Long Black. A great improvement on the old Long Spanish Radish. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

White Strasburg. Oblong; of a pure white color, and mild flavor; a splendid variety for summer. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Testimonial

Absecon, N. J.
Please send me the enclosed order. All seeds I have bought of you are A-1, and I am perfectly satisfied.
CHAS. FOSTER.

PUMPKIN

Potiron (Fr.); Grosse Kurbis (Ger.); Zucca (Ital.)

One ounce will plant 25 hills; 4 to 6 lbs. for an acre.

Large Tours, or Mammoth. The biggest pumpkin in cultivation, producing fruits that often weigh 200 lbs. When fully ripened it is of a golden orange color, free from stringiness and ideal for pie-making or cooking. Pkt., 10c.; 25c. per oz.; 85c. per $\frac{1}{4}$ lb.; \$3.00 per lb.

Tennessee Sweet Potato. An oblong-shaped, medium-sized fruit, with a very light buff yellow skin. For pies it is delicious, while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 70c. per $\frac{1}{4}$ lb.; lb., \$2.50.

Winter Luxury. Known as the New England pie pumpkin. No Thanksgiving dinner is complete without the palatable pumpkin pie, made from this variety. This is also used for making Jack-o'-Lanterns, for which purpose it is well suited, on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh is golden orange when ripe. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.50 per lb.

MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you. Just say, Send me "Practical Garden Pointers."



RHUBARB (See Illustration above)

Rhubarb (Fr.); Rhabarber (Ger.); Rabarbaro (Ital.)

Seed should be sown outdoors in April in rows 3 ft. apart. The following spring the roots should be transplanted into permanent beds and placed 3 feet apart each way; the year following that, or two years after sowing the seed, the rhubarb may be used. Do not cut rhubarb, pull it so that it comes out whole from the crown. Roots may be planted in October or in the spring up to May 15th. **Victoria.** Immense long stalks of a cherry-red color; a most popular variety. Pkt., 10c.; 25c. per oz.; 60c. per ¼ lb.; \$2.00 per lb.

RHUBARB ROOTS

Victoria, First Size Roots. 15c. each (by mail, 20c.); doz., \$1.50; \$10.00 per 100.

Victoria, Mammoth Roots. For forcing, or outdoor planting. 35c. each (not mailable); doz., \$3.50; \$6.25 for 25; 100, \$22.50.

RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart, and when 3 inches high, thinned out. Ruta Bagas should not be sown before the 1st of August in the Philadelphia latitude; if sown too early they develop long instead of round roots.

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 35c. per ¼ lb.; lb., \$1.00.



Spinach, Michell's Improved Strain Bloomsdale

NOTE.—All seeds on this page sent postpaid at quoted prices.

VARIOUS HERBS

Partial list, in alphabetical order. For complete, condensed, list see page 34.

	Pkt.	½ oz.	Oz.
Rosemary	\$0.15	\$0.60	\$1.00
Saffron	.10	.20	.30
Sage	.15	.40	.75
Summer Savory	.10	.20	.40
Savory (Winter)	.15		
Sweet Basil	.10		.25
Sweet Marjoram	.10	.25	.45

SORREL

Oseille (Fr.); Sauerampfer (Ger.); Acetosa (Ital.)

Relished principally by the French people, who use it as a spinach dressing; also as a salad. Has an acid flavor. A sowing lasts a number of years. The seed stalks should be cut off when they appear. Pkt., 10c.; 25c. per oz.; 90c. per ¼ lb.; \$3.25 per lb.



SALSIFY (Oyster Plant)

Salsifis (Fr.); Hafer Wurzel (Ger.); Salsafia (Ital.)

One ounce of seed to 50 feet of drill. 10 lbs. per acre.

Sow in early spring, in drills fifteen inches apart and one to two inches deep; when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest vegetables stewed and served with a cream dressing.

Mammoth Sandwich Island. This variety is of enormous size, twice as large as the ordinary white variety; very tender and delicious. Pkt., 10c.; 25c. per oz.; ¼ lb., 85c.; \$3.00 per lb.

SHALLOTS (French Flavoring Onions)

(For prices see page 24.)

SPINACH

Epinaud (Fr.); Spinat (Ger.); Spinaccio (Ital.)

One ounce will sow a row about 75 feet long; 10 to 12 pounds are required for an acre. Sow for spring use, in drills one foot apart (covering the seed about one-half inch) as early as the ground can be worked, and continue to sow every two weeks till May 15th. Spinach seed seldom germinates during June, July or August, so we do not recommend sowing again until September, which is the season to provide an early winter and spring crop. Seed sown then is generally broadcasted and on approach of cold weather is covered with long manure, salt hay, straw or other suitable litter. On mild winter days it may be gathered, but it should not be disturbed while the plant is frozen. For a supply of spinach during summer, the New Zealand variety is sown in April or May. Spinach can also be grown successfully under hotbed sash.

Bloomsdale Round-Seeded Savoy (Improved Strain). The hardiest variety; curled and crimped; thick, fleshy leaves; the best for early spring and fall sowing. Oz., 10c.; 25c. per ¼ lb.; per lb., 75c.; \$3.50 for 5 lbs.

Long Season. A cross between the Bloomsdale and the Victoria Long Standing. It produces tremendously large plants and leaves, which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled and are tender. Color, a beautiful dark green. 10c. per oz.; ¼ lb., 25c.; 75c. per lb.; 5 lbs. for \$3.50.

New Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is a heavy yielder, growing upright; one sowing can be picked from the entire summer. A very distinct variety. Pkt., 10c.; 15c. per oz.; ¼ lb., 35c.; \$1.00 per lb.; 5 lbs., \$4.50.



SQUASH

Courge (Fr.); Speisse Kurbis (Ger.); Zucca (Ital.)
One ounce will plant 20 to 50 hills, 3 to 4 lbs. are required for an acre.

This vegetable is a popular one for summer and winter use, and being susceptible to cold it should not be planted until the ground is thoroughly warm. There are two varieties, the bush sort being planted in hills 4 to 5 feet apart each way; the running varieties require planting 8 to 15 feet apart in order that the fruits may develop properly. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill.

SUMMER VARIETIES

Cocozelle. This is a bush variety with smooth fruits, dark green in color, striped deeper. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

Golden Custard. A flat scalloped type, like the white Bush; the skin is of a light yellow color, which is very thin, leaving plenty of meat in the centre; a bush or compact growing kind. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.00 per lb.

Mammoth White Bush. Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 70c. per $\frac{1}{4}$ lb.; lb., \$2.25.

SUMMER SQUASH (Continued)

Yellow Summer Crook Neck. Shaped like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred on account of its very dry meat when boiled. This is a running variety. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

FALL AND WINTER VARIETIES (Running Sorts)
Boston Marrow. Shaped similar to Hubbard; golden orange; fine for canning for winter use; cooked as a vegetable or in pie. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.00 per lb.

Delicious. Well named, as it has the finest flavor of any squash; of oblong shape, with a deep green skin and thin rind, and with a seed cavity so small that it almost meets in the centre. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 lbs. and is in its prime during the early winter; one of the very best. Pkt., 10c.; 20c. per oz.; 70c. per $\frac{1}{4}$ lb.; lb., \$2.25.

Golden Hubbard. Used extensively for pie, but served as a vegetable, it is very dry and delicious. The outside is a deep orange red, while the flesh is very tender. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

Vegetable Marrow. A long, greenish white variety; fine for cooking; very sweet and tender. This is the favorite squash with the English people. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 70c.; \$2.25 per lb.

SWISS CHARD (Spinach Beet)

Poireau (Fr.); Mangold Kohl (Ger.); Porro (Ital.)

1 oz. will sow a row about 50 feet long.

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground; large leaves with broad ribs grow from the centre of the plant; the outer leaves only should be carefully pulled from the plant and the foliage part separated from the rib in preparing to cook. The former when cooked is served like spinach, which it resembles in taste; the ribs when boiled and served with melted butter are the equal of finest asparagus. When hard frosts strike the plants down they can be taken up and placed in a cool cellar; the roots may be carried over this way with an occasional watering, and if planted in a hotbed about March 1st they will produce early spring greens.

Giant Lucullus. Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.50 per lb.

TARRAGON

Fine for flavoring. Plants, 30c. each; doz., \$2.50; \$18.00 per 100.

THYME (Herb)

Seed. Pkt., 10c.; 60c. per $\frac{1}{2}$ oz.; oz., \$1.00.

THYME PLANTS

20c. each; doz., \$1.50; \$10.00 per 100.

TOBACCO

Many people like to have a few plants of this in the garden. It attracts butterflies. The flower is very sweet scented, while the leaves may be dried, cured and made into smoking tobacco and cigars. Sow in a box indoors and set outdoors in May.

	Pkt.	$\frac{1}{2}$ oz.	Oz.
Connecticut Seed Leaf.....	\$0.15	\$0.50	\$1.00
Havana.....	.15	.50	1.00
Pennsylvania Seed Leaf.....	.15	.50	1.00



Giant Lucullus Swiss Chard

ALL PRICES SUBJECT TO MARKET CHANGES

(oh)

MICHELL'S
PRIVATE STOCK
STONE TOMATO.

MICHELL'S
GLOBE TOMATO.



Pomme d'Amour (Fr.); Liebes Apfel (Ger.); Pomo d'oro (Ital.)

One ounce will produce 3500 plants; $\frac{1}{4}$ lb. will provide enough plants for an acre.

Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row, or in hills 4 feet apart each way. Properly grown tomato plants should be supported.

Note.—All seeds on this page mailed postpaid at prices quoted.

Beauty. One of the largest bright red tomatoes; solid and meaty; quite early. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; \$1.10 per $\frac{1}{4}$ lb.

Bonny Best. One of the most prolific of early tomatoes. The size is not so large, but it is very solid and evenly formed. Color, bright red. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.40 per $\frac{1}{4}$ lb.

Crackerjack (Michell's). This is one of the best early tomatoes for the home garden, its productiveness being wonderful; quite free from acid and of a convenient size. Color, rich red and produced in clusters. Be sure and try it if you have not already done so. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 60c.; \$2.00 per $\frac{1}{4}$ lb.

Dwarf Champion. A distinct type, the plant looks like a miniature tree; very dwarf and compact; color of fruit, bright red and very solid; late maturer. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.40 per $\frac{1}{4}$ lb.

Dwarf Stone. A dwarf, compact growing plant, yielding a large crop of medium-sized, very solid tomatoes. Color, bright red. The plant is very distinct and upright; late cropper. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.40 per $\frac{1}{4}$ lb.

Earliana (Spark's). A very prolific tomato. Grows in clusters; medium in size; solid and very desirable. Pkt., 10c.; per $\frac{1}{2}$ oz., 25c.; oz., 40c.; \$1.40 per $\frac{1}{4}$ lb.

Early Red Wonder (Michell's). A splendid early, new variety; for complete description and illustration see page 5. Pkt., 25c.; 40c. per $\frac{1}{2}$ oz.; oz., 75c.; \$2.50 per $\frac{1}{4}$ lb.

Globe (Michell's). Especially adapted to slicing; very solid; a handsome red, and a great producer; one of the best general crop varieties. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; per oz., 45c.; \$1.75 per $\frac{1}{4}$ lb.

Golden Queen. Large yellow fruit; very sweet, almost free from acid; splendid for preserving or for slicing; to those who generally (on account of acidity) do not eat tomatoes, we can recommend this variety. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; per oz., 45c.; \$1.75 per $\frac{1}{4}$ lb.

Greater Baltimore. A main crop variety; fruit large and of a brilliant red color; ripens evenly to the stem. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.

John Baer. This is positively without exception the earliest tomato that we know of. The plant is very dwarf, growing in tree form and frequently the plants have small tomatoes on while yet in pots ready to be set out. Fruit is bright red. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 45c.; \$1.75 per $\frac{1}{4}$ lb.

Matchless. Large red fruit; general crop variety. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; 40c. per oz.; \$1.75 per $\frac{1}{4}$ lb.

Ponderosa. The largest tomato in existence; a beautiful deep pink; rather uneven at times in shape. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; per oz., 55c.; \$2.00 per $\frac{1}{4}$ lb.

Red Rock. One of the most solid varieties; medium early and of a brilliant red color; a fine one for the home or market garden. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; per oz., 40c.; \$1.40 per $\frac{1}{4}$ lb.

Stone (Michell's Private Stock). A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced in greater abundance. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; per oz., 40c.; \$1.40 per $\frac{1}{4}$ lb.

FORCING TOMATOES

	Pkt.	$\frac{1}{2}$ Oz.	Oz.
Best of All	\$0.10	\$0.25	\$0.50
Comet	.10	.20	.40

Eclipse
(Orig. pkts.) 1.25

SMALL FRUITED TOMATOES

	Pkt.	$\frac{1}{2}$ Oz.	Oz.
Red Cherry	\$0.10	\$0.30	\$0.55
Red Peach	.10	.30	.55
Yellow Plum	.10	.30	.55
Strawberry or Husk	.10	.30	.55

TOMATO PLANTS

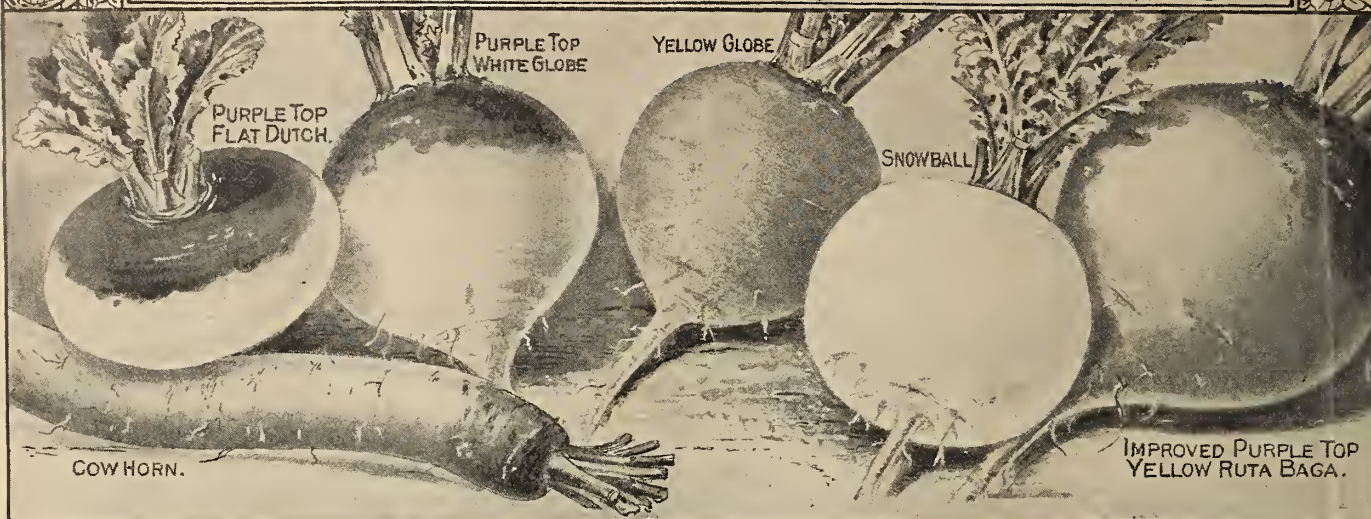
(Ready in April). (See page 35)
Pot Grown, lead- Doz. 100
ing sorts. \$0.75 \$5.00



ALL PRICES SUBJECT TO MARKET CHANGES

(oh)

MICHELL'S TURNIP AND RUTA BAGA SEED.



Herbst Ruben (Ger.); Navet (Fr.); Navone, Rapa (Ital.)

One ounce of seed for 100 feet of drill; two lbs. per acre, broadcast.

For early use sow the small sorts as soon as the ground can be worked in the spring in drills 14 inches apart. Ruta Bagas should be sown in drills 30 inches apart. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow thickly, so the roots can develop. For fall and winter use sow broadcast from the middle of July to the middle of August, and Ruta Bagas in drills from the middle of June to the fifteenth of August. Ruta Bagas sown early have a tendency to grow long in shape, while seed sown in August usually develops roots of a uniform globular shape.

TURNIP

Aberdeen. A flat yellow variety; a good winter keeper. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.00 per lb.

Cow Horn. A long white variety, used for soiling and stock feeding. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.00 per lb.

Early Purple Top Flat. The most popular variety in cultivation; a large yielder; well flavored. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.00 per lb.

Purple Top White Globe (*Private stock*). This is a careful selection of the popular Purple Top Globe variety; it is very uniform in shape and one that should be grown by all who grow turnips. Our strain of seed is especially fine. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.00 per lb.

Snowball. A pure white globe variety; very early. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.00 per lb.

Southern Seven Top. For winter greens chiefly; extensively sown in the South. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.00 per lb.

Yellow Globe or Amber. Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.00 per lb.

NOTE.—All seed offered on this page mailed free at quoted prices.

RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart and when 3 inches high thinned out to get the greatest root development. They need to be cultivated liberally and hilled up when about 6 inches high.

Customers frequently complain that Ruta Bagas grow too long in shape, rather than in a round form. Careful inquiry has developed the fact that this is caused by sowing the seed too early.

In the locality of Philadelphia and New York the seed should not be sown until August 1st, when it will invariably develop perfectly globular formed roots. Seed sown earlier than this invariably produces the long shaped roots with long stems.

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 35c. per $\frac{1}{4}$ lb.; lb., \$1.00.

SEEDS OF CULINARY AND MEDICINAL HERBS

A few herbs in the garden will be found very convenient, there being so many uses to which they can be put in the green and in the dry state. For winter use, they should be cut just as they come into flower, tied in bunches and hung in a light, airy place indoors, where they can be available any time.

	Pkt.	½ Oz.	Oz.		Pkt.	½ Oz.	Oz.		Pkt.	½ Oz.	Oz.
Anise.....	\$0.10		\$0.25	Dill.....	\$0.10		\$0.15	Savory, Summer..	\$0.10	\$0.20	\$0.50
Basil, Sweet.....	.10		.25	*Fennel, Sweet....	.10		.30	*Savory, Winter....	.15		
Borage.....	.10	\$0.20	.40	*Lavender.....	.10	\$0.35	.60	Sweet Marjoram..	.10	.25	
Caraway.....	.10		.20	*Mint, Peppermint.	.25			*Thyme, Broad Leaved	.10	.60	1.00
*Catnip.....	.25			*Pennyroyal.....	.10	.35	.60				
Chamomile.....	.10	.60	1.00	*Rosemary.....	.15	.60	1.00				
*Chives.....	.15			Saffron.....	.10	.20	.30				
Coriander.....	.10		.20	*Sage.....	.15	.40	.75				

*Varieties are hardy or perennial while others must be sown each season.

*Varieties are hardy or perennial while others must be sown each season.



ALL PRICES SUBJECT TO MARKET CHANGES

(oh



VEGETABLE AND HERB PLANTS AND ROOTS

We have fresh supplies of this stock in daily, during the season of planting; we grow them at our own nurseries, and in extra good quality.

ARTICHOKES (Ready In April)

Green Globe. Pot grown. \$1.75 per doz.; 25 for \$3.00; \$11.00 per 100 (by express only). Jerusalem. Used for table and stock feeding. 30c. per qt.; peck, \$1.50; \$5.00 per bu.

ASPARAGUS ROOTS

(Ready from Oct. 15th to May 15th)

The two-year-old roots usually produce two years after planting, the three-year-old may be cut lightly one year after planting.

2 Year Old Roots	Doz.	100	1000
Barr's Mammoth	\$0.35	\$1.75 \$12.50
Conover's Colossal35	1.75 12.50
Giant Argenteuil35	1.75 12.50
Palmetto or Eclipse35	1.75 12.50
3 Year Old Roots	Doz.	100	1000
Barr's Mammoth	\$0.45	\$2.25 \$17.50
Conover's Colossal45	2.25 17.50
Giant Argenteuil45	2.25 17.50
Palmetto or Eclipse45	2.25 17.50

BRUSSELS SPROUTS (Ready In July)
Matchless Improved (Hotbed Grown). 25 for 25c.; 75c. per 100; per 1000, \$6.00. If wanted by mail, add 10c. per 100 for postage.

CABBAGE PLANTS

(Ready in season beginning April 1st)
Early Sorts. From hotbeds. Wakefield and All Head only. Ready April 15th. 65c. per 100; per 1000, \$5.50.

Early Sorts. Sturdy plants from cold frames. Ready April 1st, in Wakefield and All Head varieties only. \$1.00 per 100; per 1000, \$7.50.
Late Sorts. Ready July 1st in Late Flat Dutch. Danish Ball Head and Red Dutch Drumhead varieties only. Per 100, 60c.; \$5.00 per 1000. If cabbage plants are wanted by mail, add 15c. per 100 for postage.

CAULIFLOWER PLANTS

(Ready April 1st)

Snowball variety only. From hotbeds. 25c. per doz.; per 100, \$1.50.
Snowball variety only. Pot-grown. 75c. per doz.; per 100, \$5.50.

If hotbed Cauliflower are wanted by mail, add 5c. per doz., or 15c. per 100 for postage charges. Pot-grown plants do not carry well when shipped via parcel post.

CELERY PLANTS (Ready In July)

White Plume, Giant Pascal, Winter Queen and Golden Self-Blanching. 75c. per 100; per 1000, \$6.00.

If Celery Plants are wanted by mail, allow 4 lbs. weight per 100 for postage.

CHIVES (Ready In April)

Strong Plants. 15c. each; doz., \$1.50; \$10.00 per 100. Allow 5c. each for mailing if wanted by parcel post.

EGG PLANTS (Ready after May 15th)
Sold in pot-grown stock only.

New York Improved and Black Beauty. 10c. each; doz., \$1.00; \$7.00 per 100.

HOP VINE (Hardy)

This makes a valuable shade plant, grown on arbors, trellis, etc.

Strong Pot-Grown Plants. 25c. each; doz., \$2.50; \$15.00 per 100.

HORSE RADISH ROOTS

(Ready in March)

Maliner Kren (Bohemian). Large, strong cuttings, 30c. per doz.; per 100, \$1.50; \$12.50 per 1000.

If Horse Radish are wanted by mail, add 10c. per 100 for postage.

LAVENDER (Ready In April)

Pot-grown plants. 25c. each; per doz., \$2.50; \$15.00 per 100. If wanted by mail, add 5c. for postage.

LETTUCE PLANTS

Heading varieties; our selection only. 25 for 20c.; 75c. per 100; per 1000, \$6.00. If wanted by mail, add 10c. per 100 for postage.

MINT (Hardy) (Ready In April)

Peppermint. 20c. each; per doz., \$1.50; \$10.00 per 100.

Spearmint. 20c. each; per doz., \$1.50; \$10.00 per 100.

PARSLEY PLANTS (Ready In April)
Pot-grown. 10c. each; doz., \$1.00; \$7.00 per 100.

PEPPER PLANTS (Ready In May)

Bull Nose and Ruby King varieties only.

Pot-grown plants. 10c. each; doz., \$1.00; \$7.00 per 100.

RHUBARB ROOTS

(Ready from October to May 15th)

Victoria. First Size Roots. 15c. each; \$1.50 per doz.; per 100, \$10.00. Allow 5c. each or 25c. per doz. for postage, if wanted by mail.

Victoria. Mammoth Roots for planting out, or suitable for forcing (not mailable). 35c. each; doz., \$3.50; \$6.25 for 25; per 100, \$22.50.

ROSEMARY (Perennial)

(Ready In April)

Pot-grown plants. 25c. each; doz., \$2.50; \$15.00 per 100.

SAGE (Hardy) (Ready In April)

Holt's Mammoth. Pot-grown plants. 20c. each; per doz., \$1.50; \$10.00 per 100.

SWEET POTATO PLANTS

(Ready In May)

Yellow and Red Nansemond. \$1.00 per 100; 1000, \$7.50. If wanted by mail, allow 15c. per 100 for postage. Not less than 100 plants can be furnished.

TARRAGON (Hardy) (Ready In April)
Hardy if given protection in winter. Pot-grown plants. 30c. each; doz., \$2.50; \$18.00 per 100.

THYME (Hardy) (Ready In April)

English Broad Leaved. This is almost an indispensable herb. 20c. each; doz., \$1.50; \$10.00 per 100.

TOMATO PLANTS

(Ready after April 15th)

Pot-Grown Plants in the following varieties only: Earliana, Stone, Dwarf Stone, Ponderosa, Crackerjack. 7c. each; doz., 75c.; \$5.00 per 100.


Hotbed Plants of Tomatoes, we have discontinued handling, they do not give general satisfaction, nor do they ship well.

POT-GROWN VEGETABLE PLANTS do not carry well by parcel post. We recommend express shipment. (oh)




36 NITROGEN-GATHERING BACTERIA THE WONDERFUL FERTILIZER FOR LEGUMINOUS CROPS

INOCULATE YOUR LEGUMES BEFORE SOWING—IT PAYS



Inoculate Your
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches
and
Other Legume Crops
WITH
Mulford Cultures
FOR LEGUMES

Small Cost Large Returns Easy to Use No Labor Expense



The most Fertilizer Value of Legumes depends largely upon Inoculation with these Bacteria. 1000 to 2000 pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately available for any following crop. Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form to the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there, and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates. The application of bacteria to the seed of these legumes when planting practically trebles the nitrogen-gathering power, and for this reason we urge all planters to use it on all such occa-

sions. Please note that the bacteria is not applicable to any other class of plant through inoculation, except as noted below; succeeding crops, though, following on ground where bacteria was used, derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

Mulford Cultures are prepared for

ALFALFA	BURR CLOVER	VELVET BEANS
CRIMSON CLOVER	COW PEAS	SWEET PEAS
SWEET CLOVER	SOY BEANS	GARDEN PEAS
RED CLOVER	PEANUTS	STRING BEANS
ALSIKE CLOVER	VETCH	LIMA BEANS
JAPAN CLOVER		

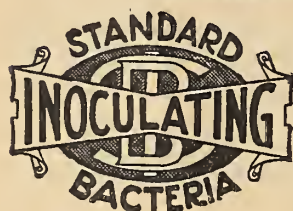
Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

Mulford Cultures

FOR LEGUMES

PRICES

5-Acre Size (A Dollar per Acre).....	\$5.00
1-Acre Size.....	1.50
1/4-Acre Size.....	.75
Trial Size (Supplied only for Garden Peas, Garden Beans, Lima Beans and Sweet Peas).....	
	.35



STANDARD INOCULATING BACTERIA

Like in most everything else there seems to be a demand for variety, even in "Legume Bacteria," which has induced us to add this brand to our offering. It is manufactured by a reputable concern, and from inquiries we have made, persons who have used same are enthusiastic in their endorsement of Standard Bacteria. Prepared for Alfalfa, Soy Beans, Cow Peas, Sweet Clover, Red Clover, Crimson Clover, Alsike Clover, Vetch, Field Peas, Garden Peas, Sweet Peas, Field Beans, Peanuts, Garden Beans, and all other legumes.

Prices, Trial Size (supplied only for Garden Beans, Garden Peas and Sweet Peas) 25c; Garden Size, 50c.; 1 Acre Size, 75c.; 2 Acre Size, \$1.45; 4 Acre Size, \$2.25; 6 Acre Size, \$3.00. Sent post-paid on receipt of price.

One acre size sufficient for about 20 pounds of alfalfa, clover, or other small seed, and for about 90 pounds of peas, beans, or other large seeds.

ALPHANO INOCULANT

This comes in a finely powdered form, making it easy to use. But, most important of all, it guarantees to you bacteria of the highest possible vigor. The carrier used makes an ideal material for the bacteria's breeding and living place. They retain their vitality for a long period and under conditions utterly impossible with other carrying substances used.

In addition to its distinct advantage of double nitrogen action in the soil, and that it contains all the essential legume bacteria in the one package, and that you need never have but the one kind to meet all your inoculation needs, there is also its remarkably low price.

Alphano Inoculant, the makers claim, serves as a bacteria for all crops, the reverse of statements by other makers of bacteria. The reason, however, may lie in the fact that it is a soil or humus bacteria, while others are manufactured cultures. The Alphano Humus Company, who make this, have been experimenting with it and testing it out for several years in the agricultural departments of various experiment stations, with results that were so highly satisfactory as to encourage them to place it on the market. Complete directions are on every package, and a special circular on Alphano Inoculant may be had free on request.

PRICES OF ALPHANO INOCULANT

1-acre size (net weight of can, 2 lbs.), \$1.00; 10-acre size (net weight, 20 lbs.); \$8.00 (postage extra).

ALL PRICES SUBJECT TO MARKET CHANGES

(oh)



Inoculated Beans matured 10 days earlier than those not inoculated.



Roots of cow peas inoculated with Alphano Inoculant, showing the abundance of nitrogen nobs or nodules. Each one is filled with millions of air nitrogen-gathering bacteria.



Part of a 60-acre tract of land sown to Alfalfa on the farm of W. A. Rossiter, near Langhorne, Pa. Seed furnished by us

Alfalfa or Lucerne (*Medicago-Sativa*). The most valuable forage crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa explains this fully, and is free for the asking. Sow not less than $\frac{1}{2}$ bushel (30 lbs.) per acre, preferably with no other crop. Our seed is always over 99 per cent. pure, and will invariably give the best of results. **Choice Non-Irrigated Western Crown Seed.** Price on application.

Grimm Alfalfa. Claimed to be hardy in any and all regions, a heavy yielder and of deeper rooting ability. Highly recommended by various State Experiment Stations. Requires about 10 lbs. of Grimm Alfalfa to properly seed an acre, on account of its great root system and spreading habit. Price on application.

Alsike or Swedish Clover (*Trifolium Hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high; is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. Flower resembles white clover except head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone, or 8 lbs. per acre with timothy. Price on application.

Bokhara or Sweet Clover (*Melilotus Alba*). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is excellent. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. **Choice Hulled Seed.** Price on application.

Crimson Clover (*Trifolium Incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year. Late summer or fall seeding is usually practiced. It is not hardy for more than one season and must be sown each year. Price on application.

Mammoth Red Clover (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops 10 lbs. per acre; flowers pink. It can be cut several times in a season. Price on application.

Red Clover, Medium (*Trifolium Pratense*). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can be cut twice a season. It is usually resown every third season; flowers pink. Price on application.

White Dutch or Lawn Clover (*Trifolium Repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. 10c. per oz.; $\frac{1}{4}$ lb., 25c.; 45c. per $\frac{1}{2}$ lb.; 80c. per lb.; \$3.75 per 5 lbs.; 10 lbs., \$7.25; \$42.00 per bu. of 60 lbs.; per 100 lbs., \$70.00. Prices on White Clover subject to change.



Our Strains of Red Clover are unusually fine

MICHELL'S SELECTED FIELD SEED CORN

ABOUT PRICE ON FIELD CORN

This is so variable that we have purposely omitted it, prices will be quoted on request, otherwise orders will be filled and charged at our current rates for first-class seed corn. We give 56 lbs. shelled corn per bushel.

Plant 8 to 10 qts. per acre in hills for shelled corn or for silo or sow 1½ to 2 bushels broadcast for fodder

Our strains of corn are not the common kinds usually found in abundance on the market; we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corn where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used, the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which means a considerable increase in production.

Champion White Pearl. An immense yielder, maturing in about 115 days, kernels being deep set and snowy white, the merits of this corn are surprising.

Cloud's Early Yellow Dent. Our stock of this is grown on especially prepared ground. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about ¾ of an inch long. It delights in rich soil if the best is expected of it.

Drought Proof. Long, yellow grain, produced on long thin cobs; matures in 90 to 100 days, and yields well under trying weather conditions.

Early Canada Flint (Eight Rowed). A medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled; excellent for pigeon and poultry feed.

Eureka Yellow Dent (Ensilage). Light canary yellow; deep grained; fine ear and fodder.

Golden Beauty. The broad, massive golden yellow dented grains are arranged very evenly on gigantic ears. Fodder is enormous, often growing 12 feet high; matures late, but yields wonderful crops; desirable for silo and ensilage purposes.

Leaming Early Dent. This variety has always been used foremost by most planters of field corn in the locality of Philadelphia. It is readily distinguished by the beautiful long ears of deep grained, uniform kernels, resplendent in a deep shade of golden orange. The cob when shelled is very small and of reddish color. The stalks grow about 7 feet high, very leafy, excellent for fodder, and on the average will produce two ears to the stalk. This strain assures the largest ears with every kernel perfect; ripens in 90 days and occasionally crops 100 bushels to the acre. Our stock is grown by the most experienced grower, who carefully selects and re-selects the seed to assure the planter a bumper crop. Every grain is uniform and perfect.

Reid's Yellow Dent. A splendid late variety with an average record of 100 bushels per acre; small cob, deep bright yellow grain.

Red Cob Ensilage. A long, narrow, white grain; a late maturer, and used for silo, green feed or ensilage purposes. A tall, rank grower and prolific in leaves.

Silver King. A pure white dent corn, ripening in 100 to 105 days, ears averaging 8 to 9 inches long, grains closely set and straight in the row. The ears grow a uniform size.

White Cap Yellow Dent. A large eared variety with hard, large grain, quite deep, maturing in about 100 days. The grain is light yellow, with a white end or face.

PRICE OF FIELD CORN ON APPLICATION
2-bushel Seamless Bags on Corn orders are charged for at 65c. each. These are returnable for credit.

SUPERIOR No. 4. ONE HORSE DISC CORN DRILL

Equipped with a fertilizer attachment; will also plant peas, beans, etc.

Can be furnished however, without a fertilizer attachment if desired. Price upon application.

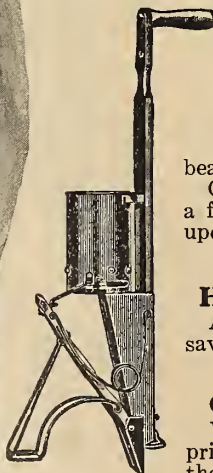
AMERICAN HAND CORN PLANTER

A great seed economizer and labor saver. Price, \$3.50.

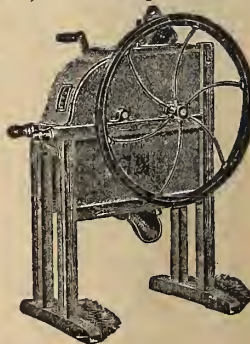
PENNSYLVANIA CORN SHELTER No. 3

Will be found useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out at another.

Price, \$20.00.



American
Hand Corn Planter



No. 3 Penna. Corn Shelter

Leaming Corn

We make a specialty of Farm Seeds and on this and the following two pages will be found a list of the popular kinds. They are all extra cleaned, of new crop, and should give splendid satisfaction. Prices are not named here for large quantities, as they fluctuate constantly. However, we will be pleased to quote prices before shipping, or if customers wish we will fill their orders at lowest prevailing rates for high-quality seed. All weights are Pennsylvania and Philadelphia legal standard.

ALFALFA (See page 37)

BARLEY

The straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast $1\frac{1}{2}$ to 2 bushels per acre from May 15th to July 1st. 48 lbs. per bushel.

Barley makes an ideal nurse crop for spring sown Alfalfa. When sown in connection with alfalfa, use $\frac{1}{2}$ to $\frac{3}{4}$ bushel per acre broadcast; when ripe, harvest as usual or cut and rake off. **Beardless.** New York grown stock; frequently yields 50 bushels per acre. Price on application.

NOTE.—While offered as beardless, barley has the fault, if not carefully selected for seed purposes, of reverting back to its type which is bearded, so that a few stalks of bearded heads will invariably appear in the field.

BROOM CORN

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder grows to a height of about nine feet, and is suitable for bedding. This sort produces extremely straight brush, retaining its green color well after ripening, thus commanding the highest market prices. Sow in May, about ten pounds per acre, in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row.

Evergreen. Yields 1000 lbs. of salable brush per acre. Bushel, 50 lbs. Price on application.

BUCKWHEAT

In the locality of Philadelphia this is sown any time from June 1st to July 15th, one bushel of 48 lbs. broadcast to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. It makes a very fine quality of flour, but is largely used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food, while the straw is very abundant. Our seed is grown by a specialist in New York State. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre.

Beardless Barley

Japanese. Very early variety. Dark, large grain.

Silver Hull. Late maturing variety. Price on application.

CARROT SEED. To sow for stock feed, see page 11.

CATTLE BEET SEED (*Mangel-Wurzel*). See page 23.

CLOVER SEED. See page 37.

CORN, Field Varieties See page 38.

COTTON SEED

Sea Island. If sown early in May, will mature in the latitude of Philadelphia. 15c. per $\frac{1}{4}$ lb.; lb., 40c.; \$1.25 for 5 lbs.

MILLET

Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about 10 inches high. Makes an excellent green food for stock. If used for hay it should be cut just as it matures.

Hungarian. The seed produces hay not so fine in quality as the "Golden," also fully a foot less in height. It can, however, be sown some 2 weeks later. Sow 1 bushel (50 lbs.) per acre.

Japanese Barnyard. This wonderful Millet yields possibly more fodder than any other forage plant. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast, any time from May 1st to June 15th.

Tennessee Golden. This requires a longer season to mature than the other sorts; it produces a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 ft. high. Sow 1 bu. (50 lbs.) broadcast to the acre, from April 10th to July 10th. Price upon application.



BEANS, SOJA OR SOY

This very valuable farm plant enriches the ground in which it is planted by the free nitrogen gathered from the air, and which is deposited in the ground by the roots, leaving it in ideal condition, and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with hay or corn. The seed when harvested and ground into meal is fed with great advantage to milch cows, mixed with bran or any soft feed; it gives the milk a very rich flavor. Sow $1\frac{1}{2}$ bushels per acre alone, or $\frac{1}{2}$ bushel Soja Beans with one bushel Cow Peas. Sow in drills $2\frac{1}{2}$ feet apart, any time from the first to the last of May. If wanted for silo it will be ready for harvest about the first of September, when the pods will be well filled; yields as high as 20 tons of green food per acre. 60 lbs. per bushel. **Mammoth Yellow** (*Late*). **Wilson** (*Early*). Price on application.

FLAX

This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant 1 bushel to the acre from May 15th to June 15th. If desired for the fibre, sow $1\frac{1}{2}$ to 2 bushels (bushel, 56 lbs.). Price on application.

GRASS SEEDS Pages 42 to 44 (inclusive).

KAFFIR CORN—White, for Seed

The grain is used for feeding poultry and the fodder for cattle. Grows from 4 to 6 feet high, the grain being produced on the top of stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. (Bu. 56 lbs.) Price on application.

CHOICE SEED OATS

Our prices are all based on the legal weight of 32 lbs. per bushel. Sow from April till June, 3 bushels to the acre.

Canadian Cluster. An enormous yielder, producing very large heads. Originally brought from the oats belt of Canada, but now thoroughly acclimated in the United States.

Storm King (*Pedigree Stock*). Our strain of this variety was brought from Russia five years ago, and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Often yields 85 bushels per acre.

Swedish or Washington. The long, erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color.

Tartar King. This is one of the popular varieties; extensively grown in the locality of Philadelphia; it yields a heavy, stiff straw and is a large producer. Price of Oats on application.

PEAS (Cow)

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, leaving it very rich in ammonia. In the latitude of Philadelphia sow from May 1st to July 1st, two bushels per acre broadcast, or one bushel per acre in drills. For a large crop sow the seed as late as possible.

Black. One of the popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for grazing stock.

Large Black Eye. An exceedingly heavy cropper, but late to mature. In the South the seed of this variety is sold for dried peas for household use; it is claimed they are quite delicious.

Whippoorwill. Medium early; upright growing; a variety more extensively used than any other. The seed is gray speckled, a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

Mixed. All varieties for hay or for plowing under.

Prices: These fluctuate constantly; will be quoted on request.



A Field of Cow Peas

PEAS (Canadian Field)

These are used for various purposes, among them being an early green food for cattle; sow with oats about April 1st, 1½ bushels of Peas and 1½ bushels of Oats to the acre, either drilled or broadcast. They are cut just after the peas flower, and fed green. They may be sown successively up to July, if one has the available land. Peas may also be sown alone, at the rate of 3 bushels per acre, and furnish excellent hay. The dried peas are fed to pigeons, while when ground as meal are an excellent addition to the regular food of cows, sheep and horses. Price changes constantly and will be quoted on request.



A Bumper Crop of Spring Rye

SUGAR CANE or SORGHUM

Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be threshed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands through hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills 3½ feet apart; 1 or 2 bushels broadcast. 50 lbs. per bushel. Price on application.



Sorghum Makes Fine Green Food for Dairy Cows

RAPE

Dwarf Essex. This can be pastured 8 weeks after sowing; so in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time. Sow 6 lbs. per acre broadcast, from April 1st to October 1st. It produces enormous crops, and is ideal green manure. Stock feeding on it should have ready access to salt. Price on application.

NITROGEN-GATHERING BACTERIA. This will be found a very valuable preparation in connection with planting of Cow Peas. See page 36 for full particulars.

RYE (For Seeding)

Spring. An excellent early green food, or for pasturing. The grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow from May 1st to June 1st. 56 lbs. per bu. Don't sow Winter Rye in Spring as it will not grow at that season.

Pennsylvania White Winter. This may be sown in the autumn as late as November, making a very fine yield of long, stiff straw, or may be used as a cover crop. Winter rye will not mature if sown in spring.

Rosen Winter Rye. An improvement on the Pennsylvania White Winter Rye, from a standpoint of yield as to grain and straw. Weight of rye is 56 lbs. per bushel, sow 1½ bushels per acre. Prices upon application.

Two-bushel seamless sacks, used in shipping farm seeds, are charged for at 65c. each, returnable at price charged.

SPELTZ, or EMMER

This seed resembles barley, but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after threshing is equal to wheat straw. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre any time after April 1st; the earlier the better. 40 lbs. per bushel. Price on application.

SUDAN GRASS

An annual, and must be sown each year. Resembles millet somewhat; stock seems to relish it; will yield from 2 to 4 tons per acre. Sow in drills or broadcast 16 to 24 lbs. per acre; several cuttings can be made from a sowing in one season. Thrives excellently in a season of drought. On account of the uncertainty of the crop, price will be quoted on application.

SUNFLOWER

Mammoth Russian. This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities. Will yield sometimes as high as sixty bushels per acre. Harvest after first few frosts, cutting the seed head from the plant, piling them loosely on the grain floor or hanging them in bunches on the rafters of the barn until thoroughly dry. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. Per lb., 15c.; 40c. per 3 lbs.; 5 lbs. 65c.; \$1.20 per 10 lbs.; bushel (25 lbs.), \$2.75.

TIMOTHY SEED

Our stocks of this important hay producing seed are especially fine; thoroughly re-cleaned, being free from weeds. If sown alone it requires $\frac{1}{2}$ bushel to seed an acre; if sown with wheat 8 to 10 quarts are the usual quantities. 45 lbs. per bushel. Samples and quotations on request.

VETCHES, or TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye; the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow foliage and elongated flowers of pinkish lavender, in clusters. The height when supported is frequently 4 feet.

Winter Vetch (*Vicia Villosa*). Sometimes called Sand or Hairy Vetch. Our stock of this is the true type, being imported by us direct from Russia, which will absolutely live throughout the winter.

There is also an English strain on the market which is not hardy in the northern sections of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed under as green manure, or when in flower cut for hay. All stock relish it keenly. Price on application.

Spring Vetch (*Vicia Sativa*). The seed of this is larger than the "Winter" and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast, and 1 bushel if in drills, with either spring wheat, spring rye or oats, for support. Has the same desirable features as the winter vetch. Price on application.

SPRING WHEAT

A desirable crop to sow where fall sown wheat has been killed by severe winter; the grain is very hard, of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest and is very fine.

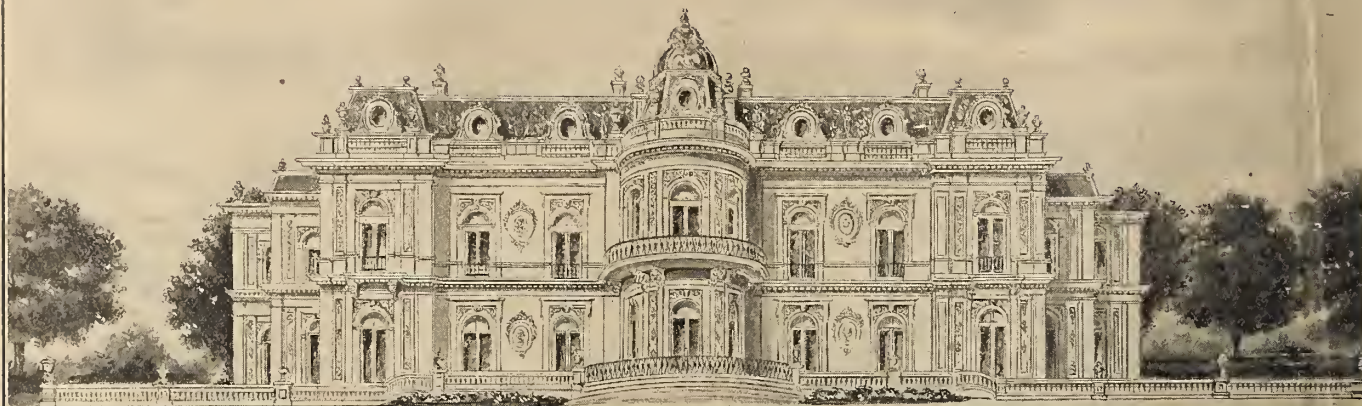
Saskatchewan Fife. This is the favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May, $1\frac{1}{2}$ to 2 bushels per acre, broadcast or in drills. Price on application.



Spring Wheat



Special Notice. On page 36 are offered two reliable brands of inoculating bacteria for such crops as clover, alfalfa, cow-peas, soja beans, vetch, etc. An assurance of a large crop will warrant their use.



A perfect lawn can be produced with "Michell's Top Notch Lawn Grass Seed"

MICHELL'S RELIABLE GRASS SEEDS

All Prices subject to Market Changes

Our grass seeds are rigidly tested for purity and germination at the growing point, in the laboratories of the United States Department of Agriculture and by ourselves, and will be found of highest average. We make special formulas to suit various soils, climatic and local conditions. Our grass mixtures as sold have been based on many tests and on years of careful study, they are properly blended and will give splendid satisfaction.

Quantity to sow for Lawns. You cannot sow too much, the more the better, it means a quicker, more satisfactory and lasting result. We recommend, on new ground, for average mixtures, to sow as follows: One quart on 100 sq. feet (10 x 10); 4 qts. on 600 sq. feet (20 x 30); 1 peck on 1500 sq. feet (30 x 50); 1 bushel on 7000 sq. feet (70 x 100); 6 to 8 bushels per acre for best effects; for renovating old lawns 3 to 4 bushels give best results.

Michell's "Top Notch" Lawn Grass Seed. The top notch of quality. A perfectly blended combination of quick growing, very compact, fine bladed grasses that will produce a perfect lasting turf in a few weeks. Weight, 25 lbs. per bushel. We recommend sowing this mixture at the rate of about $3\frac{1}{2}$ to 4 bushels per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price, \$2.25 per peck ($6\frac{1}{4}$ lbs.); per $\frac{1}{2}$ bush., \$4.25; \$8.00 per bush. (of 25 lbs.); 100 lb. lots and over, 31c. lb.

Michell's Green Velvet Lawn Grass Seed. The result of many years of untiring experimenting, and will produce a perfect turf; composed of close growing, fine leaved hardy grasses, which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color. Prices: Pint, 20c.; 30c. per qt.; 2 qts., 50c.; 90c. for 4 qts.; peck, \$1.50; \$6.00 per bush. of 20 lbs.; 100-lb. lots and over, $27\frac{1}{2}$ c. per lb.

Michell's Evergreen Lawn Grass Seed. This is composed of the finest native and foreign short growing and fine bladed grasses, and will form a perfect turf. It weighs 20 lbs. per bushel, and every kernel is full of vitality. Prices: Pint, 15c.; 25c. per qt.; 2 qts., 45c.; 75c. for 4 qts.; peck (5 lbs.), \$1.35; \$5.00 per bushel of 20 lbs.; 100-lb. lots and over, $22\frac{1}{2}$ c. per lb.

TESTIMONIAL ON MICHELL'S LAWN GRASS

"I used 5 bushels of your Velvet Lawn Grass this spring in making a new piece of Lawn, and wish to say, that same came up fine, it looks like a piece of velvet. Can certainly recommend your lawn grass to anyone making a Lawn."

J. M. M.

Michell's Clover Lawn Grass Seed. The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover induced us to offer this brand; mixed with a liberal quantity of the best re-cleaned White Clover, which is peculiarly suited to take firm hold and grow quickly on hard or worn-out spots which sun burn easily. Splendid for seashore lawns. Pint, 30c.; 50c. per qt.; 2 qts., 90c.; \$1.75 for 4 qts.; per peck, \$3.00; \$12.00 per bushel of 30 lbs.; 100 lbs., \$37.50.

Michell's Seashore Lawn Grass Seed. If 3 or 4 inches of top soil is spread over the surface, and well firmed, an application of Michell's Special Formula Seashore Lawn Mixture will produce a good lawn in 6 to 8 weeks. An occasional application of pure Sheep Manure during the spring, summer and fall months will increase the strength and color of the grass. Our formula has been thoroughly tested out in various localities. If the soil is exceptionally poor, and it is not possible to apply a layer of top soil, white Clover will help to make the sod thick and also protect the grass. Per pt., 20c.; 30c. per qt.; 2 qts., 55c.; \$1.00 for 4 qts.; peck, \$1.75; \$6.00 per bushel of 20 lbs.; 100 lbs. and over, 30c. per lb.

Michell's Shaded Lawn Grass Seed. Shaded locations have often been found difficult to keep in grass. We have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this apply air-slacked lime (or land plaster where the former is not available) at the rate of 1 bushel to each 1000 square feet. This mixture weighs 20 lbs. per bushel. Pint, 20c.; 30c. per qt.; 2 qts., 55c.; \$1.00 for 4 qts.; peck (5 lbs.), \$1.75; \$6.00 per bushel of 20 lbs.; 100-lb. lots and over, 30c. per lb.

If Grass Seed is wanted by Parcel Post, allow for mailing when remitting.

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A Putting Greens at the Sunnybrook Golf Club, Chestnut Hill, Philadelphia, seeded with Michell's Grass Seeds

MICHELL'S RELIABLE GRASS SEEDS

See Page 42 for recommendations for quantities required to sow an acre.

Fairmount Park Lawn Seed. A mixture meeting the requirements of those desiring a moderately priced grass seed. Price: Per qt., 20c.; 35c. for 2 qts.; 4 qts., 65c.; \$1.00 per pk. (3¾ lbs.); per bu. of 15 lbs., \$3.75; 100-lb. lots and over, 22c. per lb.

Special Sod Grass Seed. A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bu. Price: 25c. per qt.; 2 qts., 45c.; 75c. for 4 qts.; pk. (3¾ lbs.), \$1.25; \$4.50 per bu.; 100-lb. lots and over, 27½c. per lb.

Michell's Terrace or Embankment Grass Seed. Sow 4 bushels per acre. Per qt., 30c.; 55c. for 2 qts.; 4 qts., \$1.00; \$1.75 per pk. (5 lbs.); per bu. of 20 lbs., \$6.50; 100-lb. lots and over, 30c. per lb.

Michell's Fair Greens (Golf Course) Mixture. This mixture is composed of short-growing, deep-rooted varieties that resist wear. It retains its color well during the severest droughts. Fairways to retain their permanency should receive additional sowings during the season to replace any weak or worn-out spots. Sow 6 bushels per acre. Price: Qt., 30c.; 50c. for 2 qts.; 4 qts., 85c.; \$1.60 per peck; 1 bu. (20 lbs.), \$6.00; 100-lb. lots and over, 27½c. per lb.

Michell's Woodland Grass Mixture. Especially adapted for thickly wooded locations (Norway Maples and Pine Trees excepted). In six to eight weeks in normal weather conditions it will produce growth ready for the lawn mower. 30c. per qt.; 2 qts. for 60c.; \$1.10 for 4 qts.; peck, \$2.00; \$7.00 per bu. of 20 lbs.; 100-lb. lots and over, 32c. per lb.

Southern States Evergreen Lawn Grass Seed. Especially for dry, hot localities; especially suited to the Southern States. 15 lbs. per bushel. Price: 25c. per qt.; 2 qts., 45c.; 75c. for 4 qts.; pk. (3¾ lbs.), \$1.25; \$4.50 per bu.; 100-lb. lots and over, 28c. per lb.

Michell's Poultry Yard Grass Seed Formula. Chickens thrive on grass. We put plenty of clover seed in this mixture, as it is very nutritious and the fowls relish it. 25c. per qt.; 2 qts. for 40c.; 75c. for 4 qts.; \$1.25 per pk. (3¾ lbs.); \$4.50 per bu. of 15 lbs.; 100-lb. lots and over, 27c. per lb.

Michell's Tennis Court Grass Seed Mixture. Our mixture will be found particularly adapted for the purpose. Qt., 30c.; 50c. for 2 qts.; 4 qts., 85c.; \$1.60 per peck; bu. (20 lbs.), \$6.00; 100-lb. lots and over, 27½c. per lb.

Michell's Putting Greens Mixture. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quick-growing mixture of short, fine-bladed grasses. In sowing Putting Greens it is wise economy to be very liberal with the seed, as they are subjected to continuous hard use. We do not recommend less than 50 to 75 lbs. to a green, 75 foot square. Price: qt., 50c.; \$1.75 for 4 qts.; peck, \$3.25; \$13.00 per bu. of 25 lbs.; 100-lb. lots and over, 50c. per lb.

Michell's Teeing Grounds Mixture. Used on golf course tees or in other places where a tough resisting turf is wanted. 25c. per qt.; 2 qts., 45c.; 85c. for 4 qts.; peck, \$1.60; \$6.00 per bu. of 20 lbs.; 27½c. per lb.

White Clover. Choicest re-cleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.). 10c. per oz.; ¼ lb., 25c.; 45c. per ½ lb.; lb., 80c.; \$3.75 per 5 lbs.; 10 lbs., \$7.25; \$42.00 per bu. of 60 lbs.; 100 lbs., \$70.00.

TESTIMONIAL

Last year we purchased some Putting Greens Grass Seed from your company which gave us excellent results. J. C. C.

NOTE—All Grass Mixtures except Putting Greens, "Fair Greens" and Tennis Court Mixtures contain white clover. Any of them, however, can be furnished without this.

ALL PRICES ARE SUBJECT TO MARKET CHANGES

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Michell's Permanent Pasture Grass Seed makes a nutritious feed for grazing cattle

MICHELL'S RELIABLE GRASS SEEDS

SEPARATE VARIETIES

- Bermuda Grass.** For sowing as far North as Washington, D. C., above which latitude it is not hardy (bu. 35 lbs.). 90c. per lb. Price for larger quantity on application.
- Blue Grass. Fancy Kentucky (*Poa Pratensis*).** Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bu. per acre on lawns, $2\frac{1}{2}$ to 3 bu. on pasture fields (bu. 14 lbs.). 50c. per lb.; peck, \$1.45; \$5.50 per bu.; per 100 lbs., \$35.00.
- Blue Grass, Canadian (*Poa Compressa*).** Makes an ideal pasture, highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.). 35c. per lb.; bu., \$3.50; \$22.50 per 100 lbs.
- Creeping Bent (*Agrostis Stolonifera*).** Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4 bu. per acre (20 lbs. per bu.). \$1.00 per lb.
- Crested Dogtail (*Cynosurus Cristatus*).** Excellent as a pasture and lawn grass. Sow $3\frac{1}{2}$ to 4 bu. per acre (21 lbs. per bu.). 80c. per lb.; bushel, \$15.00; \$65.00 per 100 lbs.
- English or Perennial Rye Grass (*Lolium Perenne*).** (*Pacey's Fancy Short Seeded*.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 3 bu. per acre (24 lbs. per bu.). Price, 25c. per lb.; per bu., \$4.00; \$15.00 per 100 lbs.
- Fine Leaved or Slender Fescue (*Festuca Tenuifolia*).** This grass is especially valuable for dry soils. Sow 3 bu. per acre (bu. 14 lbs.). Price on application.
- Hard Fescue (*Festuca Duriuscula*).** A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs. per bu.). 60c. per lb., per bushel, \$5.50.
- Herd or Red Top, Fancy Re-cleaned.** This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 25 lbs. per acre (32 lbs. per bu.). Price, 35c. per lb.; per bu., \$8.50; \$22.50 per 100 lbs.
- Herd or Red Top, Unhulled (*Agrostis Vulgaris*).** Sow 4 to 5 bu. per acre on lawns, or 3 bu. on pasture lands (10 lbs. per bu.). Price, 20c. per lb.; per bu., \$1.75; \$15.00 per 100 lbs.
- Italian Rye (*Lolium Italicum*).** Very desirable for pasture; it comes to maturity the first season; the ideal seed for southern lawns in winter. Sow 50 lbs. per acre (18 lbs. per bu.). Price, 25c. per lb.; bu., \$3.50; \$15.00 per 100 lbs.
- Meadow Fescue (*Festuca Pratensis*).** Sow 40 to 50 lbs. per acre (22 lbs. bu.). Price, 45c. per lb.; bu., \$8.50; \$35.00 per 100 lbs.
- Orchard Grass (*Dactylis Glomerata*).** For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (14 lbs. per bu.). Price, 35c. per lb.; per bu., \$3.60; \$25.00 per 100 lbs.
- Red or Creeping Fescue (*Festuca Rubra*).** Very valuable for sowing on sandy soil and in shaded places, also on putting greens. (14 lbs. bu.). Price, 80c. per lb.; bu., \$10.50; \$70.00 per 100 lbs.
- Rhode Island Bent.** For sowing at seashore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.). Price on application.
- Rye Grass (*Westernwollh's*).** This is a vast improvement over Italian Rye grass in establishing lawns and fair ways in the Southern States; it retains its color during the hottest summer months and through prolonged droughts. 30c. per lb.; bushel (24 lbs.), \$6.00; \$22.50 per 100 lbs.
- Sheep's Fescue (*Festuca Ovina*).** This makes an excellent grass for sowing on lawns, fields or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.). 50c. per lb.; per bushel \$6.00.
- Sweet Vernal (Annual).** 5 lbs. per acre. 30c. per lb.
- Sweet Vernal (Perennial).** 65c. per lb.
- Sudan Grass Seed (Annual).** This belongs to the forage crops and is allied to the millets. See page 41. Sow 16 to 24 lbs. per acre. Price on application.
- Timothy (*Phleum Pratense*).** Sow one-half bu. per acre alone (45 lbs. per bu.). Price varies constantly; ask for quotations.
- Wood Meadow (*Poa Nemoralis*).** The best grass for sowing under trees where a lawn is desired. Sow 30 lbs. per acre (14 lbs. per bu.). 75c. per lb.; per bushel, \$10.00.

MICHELL'S PERMANENT PASTURE GRASS SEED

Composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years. Sow 3 to 4 bushels per acre on new lands (20 lbs. per bushel).

MICHELL'S PERMANENT HAYFIELD GRASS SEED

This mixture is gradually being adopted by the progressive farmer. Its main advantages are, that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover.

Prices for both Pasture and Hay Grass Seed Mixture. Per qt., 25c.; 75c. per 4 qts.; pk. (5 lbs.), \$1.25; \$4.00 per bu. (20 lbs.); 100 lb. lots, 18c. per lb.

Alphano Humus. "The Ideal Soil Enricher" for lawns, golf courses, putting greens, etc. Ask for price in car lots. (oh)

- Abutilon—Flowering Maple.
 Abyssinian Banana—*Musa Ensete*.
 Achillea—*Milfoil*, *Sneezewort*.
 Aconitum—*Helmet Flower*, *Monk's Hood*, *Wolf's Bane*.
 Adiantum—*Everlastings*.
 Adian's Needle—*Yucca*.
 Adiantum—*Maiden Hair Fern*.
 Adlumia—*Allegheny Vine*, *Mountain Fringe*.
 Adonis aestivalis—*Pheasant's Eye*.
 African Daisy—*Arctotis*.
 African Lily—*Agapanthus*.
 Agapanthus—*African Lily*.
 Ageratum—*Floss Flower*.
 Agrostemma—*Rose Campion*.
 Allegheny Vine—*Adlumia*.
 Aloysia citrodora—*Lemon Verbena*.
 Althaea rosea—*Hollyhock*.
 Althaea—*Rose of Sharon*.
 Alum Root—*Heuchera*.
 Anemone saxatilis—*Basket of Gold*.
 Anemone caudatus—*Love Lies Bleeding*.
 Anemone—*Windflower*.
 Anemone—*Joseph's Coat*.
 Anemone—*Jacobean Lily*.
 Anemone—*Browallia*.
 Anemone—*Virginia Creeper*.
 Anemone—*Boston Ivy*.
 Anemone—*Sea Bugloss*.
 Anemone—*Primula*.
 Anemone—*St. Bruno's Lily*.
 Anemone—*Snakehead*.
 Anemone—*Columbine*.
 Anemone—*Rock Cress*.
 Anemone—*African Daisy*.
 Anemone—*Dutchman's Pipe*.
 Anemone—*Sea Pink*, *Thrift*.
 Anemone—*Wormwood*.
 Anemone—*Butterfly Weed*.
 Anemone—*Asparagus plumosus*.
 Anemone—*Waldmeister*, *Woodruff*.
 Anemone—*Gypsophila*.
 Anemone—*Primula*.
 Anemone—*Centauria*, *Gomphrena*, *Bellis*.
 Anemone—*Cardiospermum*.
 Anemone—*Lady Slipper*.
 Anemone—*Momordica*.
 Anemone—*False Indigo*.
 Anemone—*Berberis*.
 Anemone—*Allyssum saxatile*.
 Anemone—*Pentstemon*.
 Anemone—*Monarda*.
 Anemone—*Campanula*.
 Anemone—*Lilium canadense*.
 Anemone—*Bachelor's Button*, *English Daisy*.
 Anemone—*Berberis*.
 Anemone—*Monarda*.
 Anemone—*Trumpet Vine*.
 Anemone—*Black Eyed Susan*, *Thunbergia*.
 Anemone—*Blanket Flower*, *Gaillardia*.
 Anemone—*Liatris*.
 Anemone—*Dielytra*.
 Anemone—*Centauria cyanus*.
 Anemone—*Plume poppy*.
 Anemone—*False Chamomile*.
 Anemone—*Ampelopsis Veitchii*.
 Anemone—*Buxus*.
 Anemone—*Swan River Daisy*.
 Anemone—*Spiraea prunifolia*.
 Anemone—*Quaking Grass*.
 Anemone—*Amethyst*.
 Anemone—*Butterfly Bush*.
 Anemone—*Hunnemannia*.
 Anemone—*Trollius*.
 Anemone—*Buddleia*.
 Anemone—*Schizanthus*.
 Anemone—*Centrosema*.
 Anemone—*Asclepias*.
 Anemone—*Platanus orientalis*.
 Anemone—*Boxwood*.
 Anemone—*Tassel Flower*.
 Anemone—*Elephant's Ear*.
 Anemone—*Pot Marigold*.
 Anemone—*Eschscholtzia*.
 Anemone—*Poppy Mallow*.
 Anemone—*Sweet Shrub*.
 Anemone—*Cup and Saucer*.
 Anemone—*Hare Bell*.
 Anemone—*Lychnis*.
 Anemone—*Tropeolum Canariense*.
 Anemone—*Iberis*.
 Anemone—*Indian Shot*.
 Anemone—*Campanula*.
 Anemone—*Gardenia florida*.
 Anemone—*Lobelia Cardinalis*.
 Anemone—*Ricinus*.
 Anemone—*Silene*.
 Anemone—*Umbrella Tree*.
 Anemone—*Bachelor's Button*, *Cornflower*, *Blue Bottle*, *Bluts*, *Ragged Sailor*.
 Anemone—*Sweet Sultan*.
 Anemone—*Cockcomb*.
 Anemone—*Snow in the Summer*.
 Anemone—*Judas Tree*.
 Anemone—*Platycodon*.
 Anemone—*Physalis*.
 Anemone—*Helleborus Niger*.
 Anemone—*Marguerite*, *Paris Daisy*.
 Anemone—*Cuphea platycentra*.
 Anemone—*Dianthus plumarius*.
 Anemone—*Celosia cristata*.
 Anemone—*Job's Tears*.
 Anemone—*Aquilegia*.
 Anemone—*Rudbeckia*.
 Anemone—*Morning Glory*.
 Anemone—*Lilium tenuifolium*.
 Anemone—*Stokesia*.
 Anemone—*Centauria cyanus*.
 Anemone—*Dogwood*.
 Anemone—*Primula veris*.
 Anemone—*Geranium*.
 Anemone—*Hawthorn*.
 Anemone—*Campanula calyc.*
 Anemone—*Cigar Plant*.
 Anemone—*Sago Palm*.
 Anemone—*Umbrella Plant*.
 Anemone—*Ipomea Quamoclit*.
 Anemone—*Golden Chain*.
 Anemone—*Bellis perennis*.
 Anemone—*Horn of Plenty*.
 Anemone—*Trumpet Flower*.
 Anemone—*Funkia*, *Heimerocallis*.
 Anemone—*Larkspur*.
 Anemone—*Sweet William*.
 Anemone—*Dielytra*.
 Anemone—*Gas Plant*.
 Anemone—*Foxglove*.
 Anemone—*Orange Daisy*.
 Anemone—*Cornus florida*.
 Anemone—*Hyacinth Bean*.
 Anemone—*Leopard's Bane*.
 Anemone—*Centaurea gymnocarpa*.
 Anemone—*Cineraria Maritima*.
 Anemone—*Aristolochia*.
 Anemone—*Globe Thistle*.
 Anemone—*Wild Cucumber*.
 Anemone—*Leontopodium*.
 Anemone—*Nchumbium*.
 Anemone—*Caladium*.
 Anemone—*Bellis*.
 Anemone—*Primula vulgaris*.
 Anemone—*Phlox Grass*.
 Anemone—*Sea Holly*.
 Anemone—*Zebra Grass*.
 Anemone—*Mexican Fire Plant*.
 Anemone—*Oenothera*.
 Anemone—*Gomphrena*.
 Anemone—*Lathyrus latifolius*.
 Anemone—*Pearl Bush*.
 Anemone—*Zephyranthes*.
 Anemone—*Boltonia*.
 Anemone—*Baptisia*.
 Anemone—*Stipa*.
 Anemone—*Matricaria*.
 Anemone—*Linum*.
 Anemone—*Iris germanica*.
 Anemone—*Ageratum*.
 Anemone—*Nicotiana*.
 Anemone—*Myosotis*.
 Anemone—*Golden Bell*.
 Anemone—*Pennisetum*.
 Anemone—*Mirabilis*.
 Anemone—*Digitalis*.
 Anemone—*Fuchsias*.
 Anemone—*Day Lily*.
 Anemone—*Blanket Flower*.
 Anemone—*Phalaris*.
 Anemone—*Valeriana*.
 Anemone—*Cape Jessamine*.
 Anemone—*Liatris*.
 Anemone—*Dictamnus*.
 Anemone—*Gentiana*.
 Anemone—*Crane's Bill*.
 Anemone—*Stocks*.
 Anemone—*Gomphrena*.
 Anemone—*Trollius*.
 Anemone—*Echinops*.
 Anemone—*Alyssum saxatile*.
 Anemone—*Forsythia*.
 Anemone—*Cytisus*.
 Anemone—*Pyrethrum aureum*.
 Anemone—*Solidago*.
 Anemone—*Everlastings*.
 Anemone—*Bachelor's Button*.
 Anemone—*Dianthus plumarius*.
 Anemone—*Pampas Grass*.
 Anemone—*Baby's Breath*.
 Anemone—*Campanula carpatia*.
 Anemone—*Crataegus*.
 Anemone—*Pansy*.
 Anemone—*Succowort*.
 Anemone—*Rock Rose*.
 Anemone—*Sunflower*.
 Anemone—*Strawflower*.
 Anemone—*Christmas Rose*.
 Anemone—*Aconitum*.
 Anemone—*Day Lily*.
 Anemone—*Sweet Rocket*, *Rocket*.
 Anemone—*Alum Root*.
 Anemone—*Athaea rosea*.
 Anemone—*Lunaria*.
 Anemone—*Humulus*.
 Anemone—*Squirrel Tail Grass*.
 Anemone—*Datura cornucopia*.
 Anemone—*Bush Eschscholtzia*.
 Anemone—*Dolichos*.
 Anemone—*Mesembryanthemum*.
 Anemone—*Canna*.
 Anemone—*Moonflower*.
 Anemone—*Cypress Vine*.
 Anemone—*Amaryllis formos.*
 Anemone—*Senecio*.
 Anemone—*Dianthus Hedewigii*.
 Anemone—*Solanum capsicastrum*.
 Anemone—*Coir*.
 Anemone—*Cercis*.
 Anemone—*Amaranthus tricolor*.
 Anemone—*Mountain Laurel*.
 Anemone—*Linarium cymbalaria*.
 Anemone—*Mexican Fire Bush*, *Summer Cypress*.
 Anemone—*Pueraria*.
 Anemone—*Fuchsia*.
 Anemone—*Balm*.
 Anemone—*Delphinium*.
 Anemone—*Everlasting Pea*.
 Anemone—*Plumbago*.
 Anemone—*Aloysia citrodora*.
 Anemone—*Edelweiss*.
 Anemone—*Doronicum*.
 Anemone—*Gay Feather*.
 Anemone—*Syringa*.
 Anemone—*Conrallaria*.
 Anemone—*Cardinal Flower*.
 Anemone—*Lythrum*.
 Anemone—*Nemophila*.
 Anemone—*Nigella*.
 Anemone—*Amaranthus caudatus*.
 Anemone—*Kenilworth Ivy*.
 Anemone—*Cucumis acutangulus*.
 Anemone—*Moonwort*.
 Anemone—*Rose Campion*.
 Anemone—*Robin*.
 Anemone—*Adiantum*.
 Anemone—*Hibiscus*.
 Anemone—*Chrysanthemum frutescens*.
 Anemone—*Tagetes*.
 Anemone—*Hibiscus*.
 Anemone—*Mirabilis*.
 Anemone—*Night Scented Stock*.
 Anemone—*Ferfwer*.
 Anemone—*Thalictrum*.
 Anemone—*Ice Plant*.
 Anemone—*Kochia*.
 Anemone—*Euphorbia*.
 Anemone—*Aster perennis*.
 Anemone—*Reseda*.
 Anemone—*Sensitive Plant*.
 Anemone—*Musk Plant*.
 Anemone—*Four o'Clocks*, *Martel of Peru*.
 Anemone—*Philadelphus*.
 Anemone—*Balsamina*, *Balm Apple*.
 Anemone—*Bergamot*.
 Anemone—*Aconitum*.
 Anemone—*Ipomea noctiflora*.
 Anemone—*Lunaria*.
 Anemone—*Convolvulus*.
 Anemone—*Phlox subulata*.
 Anemone—*Adlumia*.
 Anemone—*Kalmia latifolia*.
 Anemone—*Scabiosa*.
 Anemone—*Abyssinian Banana*.
 Anemone—*Mimulus moschatus*.
 Anemone—*Forget-me-not*.
 Anemone—*Vinca minor*.
 Anemone—*Egyptian Lotus*.
 Anemone—*Lore Groc.*.
 Anemone—*Flowering Tobacco*.
 Anemone—*Lore in a Mist*.
 Anemone—*Mathiola*.
 Anemone—*Evening Primrose*.
 Anemone—*Dimorphotheca*.
 Anemone—*Adonis vernalis*.
 Anemone—*Salpiglossis*.
 Anemone—*Gynurium*.
 Anemone—*Ismene calathina*.
 Anemone—*Chrysanthemum frutescens*.
 Anemone—*Passiflora*.
 Anemone—*Campanula persicifolia*.
 Anemone—*Erochorda grandiflora*.
 Anemone—*Vinca*.
 Anemone—*Gardener's Garters*.
 Anemone—*Ribbon Grass*.
 Anemone—*Adonis aestivalis*.
 Anemone—*Mock Orange*.
 Anemone—*Flame Flower*.
 Anemone—*Moss Pink*.
 Anemone—*Scabiosa*.
 Anemone—*Dianthus*.
 Anemone—*Buttonwood*.
 Anemone—*Chinese Bell Flower*.
 Anemone—*Leadwort*.
 Anemone—*Erianthus*.
 Anemone—*Boconia*.
 Anemone—*Primula elatior*.
 Anemone—*Calithroe*.



Michell's Collections of Popular Old-Fashioned Flowers

On this page the lover of Old-Fashioned Flowers will find a selection of all the better varieties grouped under their respective names. They are also listed through the Flower Seed pages, where they are described more fully.

- ASTERS**—Michell's Improved Simple's Branching, in 6 charming and distinct colors; late bloomers. \$0.50
Michell's Invincible. Profuse flowering; massive paeony formed flowers; 5 colors.40
New Crego. Twisted and curled petals like a huge chrysanthemum; splendid varieties, in 6 colors.50
Early Royal Branching. Bloom in July and August; 5 colors.40
Queen of the Market. In 6 grand colors; very fine.50
Giant Comet. Flowers of exquisite form; 6 colors.50

- BALSAMS**—Double Camellia Flowered. A greatly improved strain of these old favorites in 6 colors; very double.50

- CALIFORNIA POPPIES** (*Eschscholtzia*). Their brilliant colors make the garden gay; very useful for cutting; 8 varieties.60

- CANDYTUFT.** Flowers within six weeks after sowing, and will give a mass of attractive blooms; 6 colors.50

- CORN FLOWER, GIANT** (*Centaurea* or *Sweet Sultan*). An old favorite garden annual; 6 colors.50

- GRASSES** (Ornamental). In 11 grand varieties.75

- HOLLYHOCKS.** No garden should be without these very showy plants; 6 grand and distinct colors.50

- LARKSPUR.** Excellent annuals for cutting; 6 colors.50

- MARIGOLDS.** Double French. Profuse bloomers and always showy; 6 imported varieties.40
 Double African; 6 distinct sorts.40

- MIGNONETTE.** Ever a favorite in the garden, and will bloom until frost; 6 varieties.40

- NASTURTIUMS.** Invaluable as showy garden plants.
 Dwarf. 12 distinct sorts; one pkt. each.50
 Tall. 12 distinct sorts; one pkt. each.50

- PANSY.** No garden is a garden without Pansies. Ours are admitted to be the finest in existence.
 Giant Prize. 6 grand colors; fine.75
 Giant Prize. 12 grand colors; exquisite. 1.40
 Regular Sorts. 6 fine colors.50
 Regular Sorts. 12 fine colors.90

- PETUNIAS.** A greatly improved strain in colors and size; immense frilled flowers; single; 6 colors.75

- PHLOX DRUMMONDII.** *Grandiflora*. 12 very beautiful and gaudy imported sorts. . . . \$0.75

- PINKS** (*Dianthus*). Their delicious odor makes them ever attractive. Odd forms in 10 varieties.50

- POPPIES.** Single Annual. Rich in colors. The most showy flowers in the garden and great favorites; 7 single sorts.50
 Double Annual. 6 colors.50

- PORTULACA.** Single. 8 varieties.30
 Double. The finest imported that can be had; 6 gorgeous colors; grand.50

- PRIMROSE** (*Primula Chinensis*). Every one loves them; these 8 imported sorts are grand. . .75

- SALPIGLOSSIS.** Very curious and interesting forms; many are quite new; 6 colors.50

- SNAPDRAGONS** (*Antirrhinum*). Old standbys for showy groups.
 Michell's Giant Tall. 6 colors.50
 Michell's Semi-Dwarf. 6 colors.50

- MOURNING BRIDE** (*Scabiosa*). Excellent hardy annuals; fine for cutting; 6 colors. . . .50

- STOCKS.** Flower Market. Plants branch freely and produce from 10 to 15 spikes of flowers; 6 colors.75
 Dwarf Ten-Week. 6 colors.50

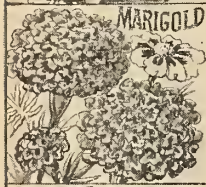
- STRAW FLOWER** (*Helichrysum*). Beautiful everlasting flowers, remaining perfect for months; 6 colors.50

- SWEET PEAS.** Spencer or Orchid-Flowering. A grand selection of 12 varieties, all beautiful and distinct.1.00

- VERBENAS.** Mammoth Fancy. The kinds that bear the largest flowers; 5 colors.40

- WALL FLOWER.** Single. Well-known favorites of distinct colors; 6 imported varieties. . .40
 Double. Very fine, compact trusses; 6 varieties.50

- ZINNIA.** Dwarf Double. Indispensable in every garden; masses of flowers in all shades; 6 grand colors.40
 Tall Double. A fine collection; 6 distinct colors.40
 Giant Double. Finest of all; every shade of color found in Zinnias; 8 colors. 1.00



MICHELL'S NOVELTIES AND SPECIALTIES

IN FLOWER SEEDS FOR 1921

47

FOR GENERAL LIST OF FLOWER SEEDS SEE PAGES 52 TO 89

ALYSSUM, MICHELL'S BOUQUET

This new variety is of exceedingly dwarf and compact growth, very free flowering, plants forming a perfect bouquet of miniature white flowers. A perfect gem for edging. Commences to bloom when plants are very small and continues until frost. We have an extra fine strain of this variety. Per pkt., 15c.; 50c. per large pkt.

GIANT SNAPDRAGON (*Antirrhinum*)

ROSE KING

In this novelty we have a new and distinct shade in the tall, large flowered class of Snapdragons. The plants throw up noble spikes, bearing immense flowers of a brilliant carmine rose, deepening towards the centre. Having no white throat or lip to modify the tint, a group in the border makes a glow of color of splendid effect. Per pkt., 40c.; 75c. per 2 pkts.



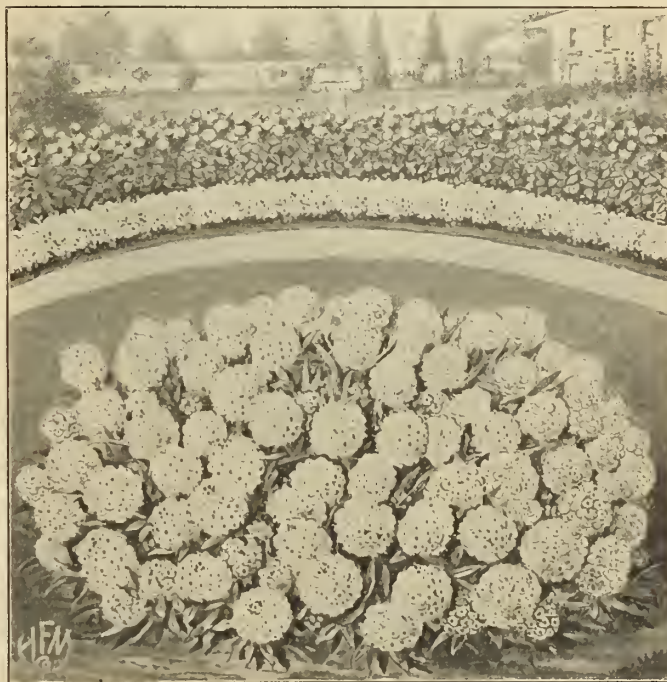
Aster, Pacific Beauty

ASTER, PACIFIC BEAUTY

A new variety of the Giant Comet type; the petals are wide and long and so gracefully curled as to give it an unusually attractive appearance. The plants are of vigorous growth, bearing a profusion of immense flowers, often measuring five to six inches in diameter. Color, a beautiful shade of rich lavender. Blooms from mid-season to late. Per pkt., 25c.; 65c. per large pkt.

ASTER, "MICHELL'S PINK SUPERB"

This valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shell pink. One of the admirable features of this new variety is the exceedingly long stems, which usually measure 34 to 36 inches in length, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; 1/4 oz., \$1.50.



Alyssum, Michell's Bouquet

GIANT SNAPDRAGON (*Antirrhinum*) MICHELL'S SALMON PINK

An excellent strain of this popular florists flower; the plants grow to a height of 2 to 3 feet and produce extra long spikes of large flowers; color, delicate salmon pink. Per pkt., 15c.; 50c. per large pkt.

SPECIAL OFFER.—One packet each of the NOVELTIES and SPECIALTIES on this page for \$1.00.



Pink Superb Aster

*Aster, Heart of France***ASTER, HEART OF FRANCE**

A new variety, description of which we quote from the introducers: "The best pure red Aster ever introduced. Heart of France opens red as the ruby, deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing a glow and sheen quite unique. The flowers are large and full with no trace of a hollow center; the plants are of branching type and very robust; stems long and strong." Per pkt., 25c.; 70c. per 3 pkts.

ASTER, PEERLESS YELLOW

Plants are of branching habit and very vigorous; the flowers are large, full ball-shaped, with centers deeply covered with curled and twisted florets. Color, a delicate hue of pure sulphur yellow. Per pkt., 25c.; 70c. per 3 pkts.

For General List of Asters, see pages 55 to 57

*Aster, Peerless Yellow***BEGONIA, GLOIRE DE CHATELAIN**

A new variety of the Semperflorens type; a very attractive plant. The flowers are brilliant pink, and, being a perpetual bloomer, it makes a charming bedding or house plant. Pkt., 25c. 65c. per large pkt.

BEGONIA, MRS. PATTEN

A new variety of the same type as Gloire de Chatelain color of flowers deep rose. Per pkt., 25c.; 65c. per large pkt.

BLUE LACE FLOWER

(*Didiscus Coeruleus*)

A beautiful annual, growing about 1½ feet high and blooming from July until frost; fine for pot culture; excellent for cutting color, pale lavender. Per pkt., 25c.; 65c. per large pkt.

*Cardinal Climber***THE CARDINAL CLIMBER**
(*Ipomoea Quamoclit Hybrida*)

A distinct and valuable novelty and one of the most beautiful climbers. A strong and very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves are dark green, fern-like and deeply lacinated; bears a great profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. It delights in warm, sunny situation and good soil. In order to have good germination of the seed a small notch should be filed or cut in each seed. Per pkt., 15c.; 65c. per large pkt.

CELOSIA PLUMOSA
PRIDE OF CASTLE GOULD

This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in mixture. Per pkt., 15c.; 40c. per large pkt.

Gentlemen:

ROCKLAND, ME.

Please find enclosed check for..... for which please send me the following seeds. The seeds I have got from you this year came up in fine shape. I have bought seeds for 35 years, and I will say your seeds are the best I ever bought.

Yours respectfully,

E. A. D.

CHINESE WOOLFLOWER, PINK (CELOSIA CHILDSI)

We are pleased to offer to our customers a new color in this popular flower; a beautiful shade of pink. Plants grow about 2½ feet high, and branch freely, each shoot bearing beautiful, ball-shaped flowers resembling silky wool. It flowers profusely during summer and fall until frost destroys them. Per pkt., 25c.; 65c. per large pkt.

DOUBLE MORNING GLORY "SNOW FAIRY"

A new and most beautiful variety of vigorous and rapid growth, beginning to bloom early and continuing until frost. Produces an abundance of double, snow-white, tassel-like flowers two to two and a half inches across by two and a half inches in depth. Per pkt., 10c.; 20c. per large pkt.; per oz., 75c.

COSMOS, NEW DOUBLE FLOWERING

An entirely new race of this popular flower; the plants are similar in habit to the late flowering strain. The flowers are full, round and double, and are very attractive. Large Pkt. Pkt.
Double Eureka. Pink.....\$0.65 \$0.25
Double Snowball. White......65 .25

See page 64 for illustration of the New Double Cosmos



New Double-Crested Cosmos

DOUBLE-CRESTED COSMOS

A new race of this popular flower; the plants are similar in habit to the late-flowering strain. A large percentage of the flowers have double crowns, which give the flowers a very dainty and exquisite appearance; the few single that are produced are extra fine.

	Large pkt.	Pkt.
Double Crested Pink Beauty.....	\$0.50	\$0.15
Double Crested White Queen.....	.50	.15
Double Crested Mixed.....	.50	.15

LOBELIA HYBRIDA (Sapphire)

This new variety is of remarkably strong growth; excellent for the floral decoration of balconies and window fronts, for which trailing Lobelias are coming into demand. The flowers are unusually large for a Lobelia, measuring three-quarter inch across, and are thickly set on the long graceful sprays of foliage; color of flowers, intense deep blue with large, clearly defined white eye. A well-grown plant covered with these lovely blue oculate flowers makes a splendid sight. Per pkt., 20c.; 50c. per large pkt.



LOBELIA ERINUS COMPACTUS BLUE BIRD

A new variety, description of which we copy from the introducers. "In view of the prominent position which the Lobelia justly occupies in garden decoration, we feel no apology is needed for introducing yet another good variety, especially as it fulfills the ideals which raisers of this beautiful plant have in mind, namely, a compact and bushy habit, combined with great freedom and continuity of bloom. Forms a sheet of bright ultramarine blue with a distinct white eye; will be found most satisfactory and effective for all bedding schemes." Per pkt., 40c.; 75c. per 2 pkts.

See pages 52 to 89 for General List of Flower Seeds



Lobelia Hybrid—Sapphire

PORTLAND PETUNIAS

This new strain of Petunias was grown for us by a specialist, seed bearing plants being raised in balcony boxes and flowers artificially pollinated. For planting of veranda boxes and for choice potted plants or for bedding out these Petunias, in select colors, never fail to please. With these Petunias the choicest seedlings are generally the slowest to develop, and the most rapid growers and earliest blooming seedlings usually are of inferior type.

Elks Pride. Deep, royal purple flowers of large size; free grower. Per pkt., 40c.; \$1.25 per large pkt.

Irvington Beauty. A free blooming dwarf type, with peach blossom colored flowers of good size; fringed edges and distinct white throat. Excellent for pots or bedding. Per pkt., 40c.; \$1.25 per large pkt.

Pride of Portland. Large, deep rose pink fringed flowers, with whitish yellow throat; fine for pots or box planting. Per pkt., 40c.; \$1.25 per large pkt.

Scarlet Beauty. A strong grower with medium sized fringed flowers; color, shading from cherry red to deep maroon towards the center. Per pkt., 40c.; \$1.25 per large pkt.

White Beauty. Fine pure white flowers in greatest profusion; good sized flowers with fringed edges. Excellent for veranda box planting. Per pkt., 40c.; \$1.25 per large pkt.

LARGE FLOWERING PETUNIA**"MICHELL'S MONSTROSUS"**

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers are extremely large, quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 75c. per large pkt.



Portland Petunia

FLANDERS POPPY

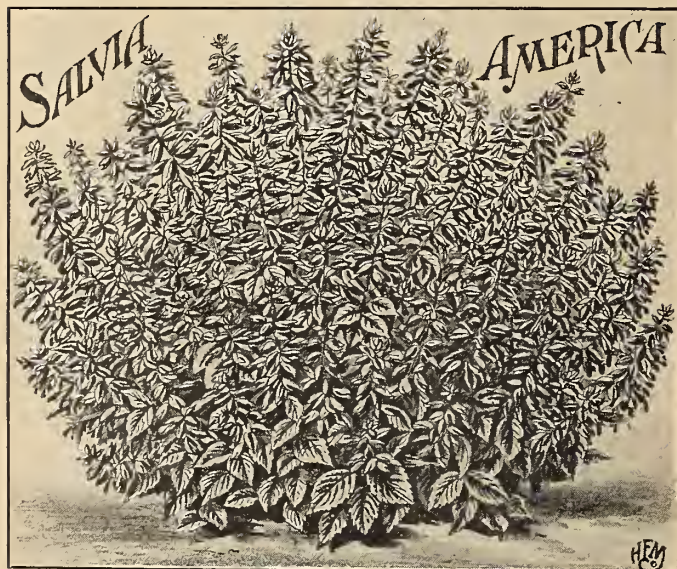
"In Flanders fields the poppies blow
Between the crosses row on row."

We are pleased to offer seed of this poppy, made famous in the song and story of the great war. For color effect there is nothing more brilliant than a bed of these crimson poppies. Per pkt., 10c.; 30c. per large pkt.; per oz., 75c.

**PRIMULA OBCONICA GIGANTEA
MONSTER STRAIN**

An extra large flowering type of this popular Primula, which are great favorites for house and conservatory decorations. Seeds grown for us by a specialist.

	Large Pkt.	Pkt.
Apple Blossom. Soft pink.....	\$1.25	\$0.40
Kermesina. Deep crimson.....	1.25	.40
Plathii. Brilliant deep rose.....	1.25	.40
Rosea. Pink.....	1.25	.40

**NEW SALVIA (Scarlet Sage)****AMERICA OR GLOBE OF FIRE**

A new variety of this popular flower; of dwarf, bushy, compact growth, and very uniform in height and shape. A free and continuous bloomer, and produces large spikes of brilliant scarlet flowers. We consider this variety an improvement over any other dwarf Salvia. Per pkt., 25c.; 65c. per large pkt.; per 1/4 oz., \$2.00.

NEW SUNFLOWER (Helianthus)**"DAZZLER"**

A showy variety of the Cucumerifolius, or Miniature type, and is well worthy a place in the list of novelties. Plants grow three to four feet high, branch freely, and produce flowers about four inches across. Color, a rich chestnut, tipped orange, with darker centre, in general appearance somewhat resembling Gaillardia Grandiflora. Can be recommended to produce bold and striking effects in the annual border. Per pkt., 40c.; 75c. per 2 pkts.



Sunflower, Dazzler



Verbena, Rose Queen

STOCK, MAMMOTH TEN WEEK SNOWDRIFT

Though belonging to the Nice or Mammoth class, this variety blooms much earlier than the other varieties, and while resembling them in habit and shape of spike, it is even more floriferous than the majority, producing many side stems, each thickly set with snowy white blossoms. Both for bedding and for cutting it is admirably adapted. Per pkt., 50c.; 90c. per 2 pkts.

GIANT PICOTEE ZINNIA GOLDEN PHEASANT

A remarkable new and distinct class of Zinnias; produces extra large double flowers, measuring from 4 to 6 inches in diameter; color, gold ground, each petal tipped with maroon; desirable for bedding or cutting. Per pkt., 25c.; 65c. per large pkt.



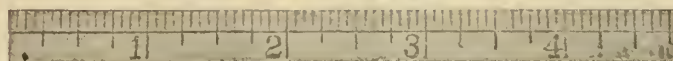
Zinnia, Rose King

VERBENAS, GRANDIFLORA MAMMOTH

Rose Queen. A new variety originating from the well-known variety "Helen Willmott" as a result of many years selection. Flowers are of a lovely delicate rose; the individual blooms are unusually large, often exceeding one inch and sometimes one and one-half inches in diameter, and, as twenty to thirty of them are often produced on a single umbel, some idea may be formed of the magnificent effect which a bed of this novelty will produce. Blooms very early. Per pkt., 40c.; 75c. per 2 pkts.

Scarlet Queen. This new variety produces flowers of the most vivid scarlet, similar to that of the "Defiance," but with a large and distinct white eye, which occupies almost half the surface of the corolla. The blooms often exceed an inch in diameter and succeed each other for a very long period, so that nothing finer can be conceived of for striking bedding effects. Per pkt., 40c.; 75c. per 2 pkts.

Snow Queen. Of a pure, snowy white, the blooms of this excellent new sort are very large, and the umbels being produced in great profusion, nothing can exceed it for the decoration of beds and borders, particularly in conjunction with other brighter hued giant verbenas. Per pkt., 40c.; 75c. per 2 pkts.



Zinnia, Giant Dahlia Flowered

GIANT DAHLIA FLOWERED ZINNIA

The flowers of this new variety are distinct from the ordinary giant flowering class, being of a true Dahlia flowering type, and when cut and placed by Dahlias it is difficult to distinguish one from the other. Flowers very large, free bloomers; mixed colors. Per pkt., 15c.; 50c. per large pkt.

ZINNIA, GIANT BUTTERCUP

A new and very attractive variety; a great improvement on any yellow of the Giant class; flowers extra large, perfectly double and of a rich, deep buttercup yellow. Per pkt., 15c.; 40c. per large pkt.

GIANT ZINNIA "ROSE KING"

A new variety of the popular Giant Zinnias, bearing flowers of a beautiful carmine rose tint, a color which did not hitherto exist in this strain. The flowers are of immense size, probably surpassing those of any other Zinnia, often attaining a diameter of 6 to 7 inches. This new variety will be of highly ornamental effect in the garden. Per pkt., 40c.; 75c. per 2 pkts.

MICHELL'S DISTINCTIVE FLOWER SEEDS.



Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials requiring protection during the winter, and the tender perennials during the winter require greenhouse protection.

A COMPLETE INDEX OF FLOWER SEEDS WILL BE FOUND ON PAGES TWO AND THREE OF CATALOG. FOR NOVELTIES, SEE PAGES 47 TO 51.

ABUTILON (Flowering Maple)

Large Pkt. Pkt.

Choice Mixed. Used extensively for ornamental bedding; also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height, 3 feet. . . \$0.50 \$0.10

ACHILLEA (Milfoil or Yarrow)

Ptarmica, Fl. Pl., "The Pearl." Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; easily grown from seed; flowering the first season if seed is sown early; excellent cut flower for vases; 2 feet.65 .10

ACONITUM (Monk's Hood or Helmet Flower)

Handsome hardy perennial, thriving best in semi-shady situations; effective in hardy borders, shrubberies, etc.; curious hood-shaped flowers in clusters; height, 4 feet; August-September.

Large Pkt. Pkt.

Napellus. Blue. \$0.30 \$0.10

ACROCLINIUM (Everlasting Flower)

See page 67

AGROSTEMMA

Coronaria (Mullein Pink). Silvery foliage and bright crimson flowers; free-flowering hardy perennial of easy culture; blooms the first season; fine for cutting; 2½ to 3 feet; June to August.20 .10

Testimonial

Please find enclosed order for Flower and Vegetable Seeds. We had the finest Asters last year from your seed we have ever grown. F. L. M.



Ageratum, Blue Perfection

AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

Large Pkt. Pkt.

Blue Perfection. Large heads of deep blue flowers produced in abundance; 15 inches. \$0.20 \$0.10
Imperial Dwarf Blue. Clear blue; compact growing plant; height, 9 inches.20
Imperial Dwarf White.20
Imperial Dwarf Mixed.20
Little Blue Star. Plants densely covered with bright blue flowers; height, 5 inches.50



Sweet Alyssum

ALYSSUM

One of the most popular garden flowers, remaining in bloom the entire season; it is of the easiest culture, and is suitable alike for beds and edging in summer, or for growing in pots and boxes for winter blooming.

- Lilac Queen.** A distinct variety of dwarf, compact growth, with flowers of a pure lilac color; 4 inches. . \$0.40 \$0.10
- Little Dorritt.** Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges. oz., 90c. .20 .10
- Little Gem.** Dwarf compact plants, densely covered with large white flowers; commences to bloom when quite small; height, 4 inches. oz., 75c. .20 .10
- Michell's Bouquet (New).** Plants dwarf and compact; forms a perfect bouquet of miniature white flowers; a perfect gem for edging. For illustration and full description, see page 47.50 .15
- Sweet (Maritimum).** The popular old-fashioned sort; the best for broad edges and vases. Pure white; height, 6 inches. oz., 40c. .20 .05
- Saxatile Compactum (Basket of Gold).** An ideal hardy perennial plant, flowering in May; showy golden-yellow flowers; blooms the first season if sown early indoors; excellent for rockwork. Height, 1 foot. oz., \$1.25 .25 .10

AMARANTHUS

Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May. Useful in borders of tall plants or for the centre of large beds.

- Caudatus (Love Lies Bleeding).** Long drooping crimson racemes; height, 3 feet. \$0.20 \$0.10
- Tricolor Splendens (Joseph's Coat).** Foliage green, variegated crimson and yellow; height, 2 feet.20 .10
- Mixed.** All sorts.20 .05

AMPELOPSIS (Boston or Japanese Ivy)

Veitchi. A hardy perennial climber with olive-green leaves, which turn to scarlet in the autumn. The best hardy vine for covering brick or stone buildings or walls. oz., 50c. .20 .10

ANCHUSA (Sea Bugloss)

Italica "Dropmore." A very popular strong growing hardy perennial plant, 4 feet high, with an abundance of beautiful flowers of a lovely gentian blue, borne on graceful stems, during the entire season; 3 to 4 ft. .30 .15

ANEMONE (Wind Flower)

- Coronaria.** Mixed colors. A pretty, hardy perennial, producing large flowers; excellent for bouquets; 1 foot.20 .05
- St. Brigid or Poppy.** Flowers large, semi-double and double; in many colors; 1 foot.40 .15

ANTHEMIS (Hardy Marguerite)

Tinctoria Kelwayi. A handsome, hardy perennial, bearing all summer, daisy-like bright yellow flowers; excellent for cutting; 2 feet.30 .10

ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors during February or March, but even if sown outdoors early in May it will flower profusely in July.

MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length, with giant flowers; especially valuable for cutting.

- Large pkt. Pkt.
- Michell's Giant Salmon Pink.** An extra fine strain of this popular flower; long spikes of a delicate salmon-pink color. \$0.50 \$0.15
- Giant Rose King (New).** Long spikes with immense flowers of a brilliant carmine rose.40
- Giant Garnet.**25 .10
- Giant Pink.**25 .10
- Giant Scarlet.**25 .10
- Giant Striped.**25 .10
- Giant Venus.** Shell pink on white ground.40 .15
- Giant White.**25 .10
- Giant Yellow.**25 .10
- Giant Mixed.** oz., 90c. .25 .10

Collection, one packet each six colors, our selection, 50c.

Tall Mixed. Regular strain. Pkt., 5c.; 20c. per large pkt.; oz., 75c.

SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 in. high, but have large flowers over most part of the stem; excellent for bedding.

- Bride.** Pure white. Pkt., 10c.; 30c. per large pkt.
- Daphne.** Carmine pink, white throat. Pkt., 10c.; 25c. per large pkt.
- Defiance.** Fiery scarlet. Pkt., 10c.; 25c. per large pkt.
- Firebrand.** Rich, deep red. Pkt., 10c.; 25c. per large pkt.
- Golden Queen.** Golden yellow; giant flowers. Pkt., 10c.; 25c. per large pkt.
- Mont Blanc.** Pure white. Pkt., 10c.; 25c. per large pkt.
- Nelrose.** Pink. Pkt., 25c.; 50c. per large pkt.
- Pink Gem.** Rose pink. Pkt., 10c.; 25c. per large pkt.
- Rose Queen.** Rich rose. Pkt., 10c.; 25c. per large pkt.
- Mixed.** All colors. Pkt., 10c.; 25c. per large pkt.; per oz., \$1.00.
- Collection, one packet each six colors, our selection, 50c.

DWARF ANTIRRHINUMS

The Dwarf or Tom Thumb varieties are excellent for bedding; also for edges. Height, 12 inches.

Tom Thumb Mixed. All colors. Pkt., 10c.; 25c. per large pkt.

Ask for Cultural Leaflet No. 201 on the growing of Antirrhinums.



MICHELL

Antirrhinum (Snapdragon)

*Aquilegia (Columbine) Long Spurred***AQUILEGIAS OR COLUMBINES**

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the foliage. Seed sown early in the spring will in most cases produce plants that will bloom the same season.

	Large pkt.	Pkt.
Californica Hybrida. Mixed colors, principally yellow and orange shades; long spurs.....	\$0.40	\$0.10
Chrysantha (Golden Spurred). Bright golden yellow.....	.50	.10
Coerulea (Rocky Mountain Columbine). Large flowers, violet blue and white.....	.40	.10
Long Spurred Hybrids. Flowers of many rich and varied colors, with long spurs.....	.40	.10
Rose Queen. Light to dark pink with white centre and yellow anthers.....	.50	.15
Double Mixed. All colors.....oz., 90c.	.20	.05
Single Mixed. All colors.....oz., 75c.	.20	.05

ARABIS (Rock Cress)

Alpina. Early spring flowering plants especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; perennial; April-May; 6 inches..... .20 | .10 |

ARCTOTIS (African Daisy)

Grandis. Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet..... .20 | .10 |

MICHELL'S CULTURAL LEAFLETS

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or, in fact, for any who may want them, giving instructions how to grow the varieties named successfully from seed. These leaflets are free.

201. Antirrhinum.	208. Zinnia.	215. Cyclamen.
202. Aster.	209. Pansy.	216. Larkspur
203. Cineraria.	210. Salvia.	(Annual).
204. Mignonette.	211. Stock.	217. Lupinus.
205. Petunia.	212. Perennials.	218. Phlox Drum.
206. Primula.	213. Carnation.	219. Nasturtium.
207. Verbena.	214. Cosmos.	220. Begonia.

ARTEMISIA**Sacrorum Viridis**

(*Summer Fir*). A new ornamental foliage plant from China; pyramidal bushes 3 to 5 feet high; may be grown in groups and borders; also pretty as a pot plant; foliage fine and of a rich dark green. Plants cultivated in the open ground may be successfully planted in pots without any interruption of their growth. Per pkt., 15c.; 25c. per large pkt.

*Artemisia, Sacrorum Viridis***ARUNDO**

(Ornamental Grass)

See Page 69

ASPARAGUS

100 Seeds. Pkt.

Hatcheri. Of dense and symmetrical growth; dainty fern-like fronds set close together along the stalk; valuable for decorative use, also for specimen pot plants..... \$1.00 | \$0.25 |

Plumosus Nanus. An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut..... 1.00 | .25 |

Sprengeri. One of the best plants to grow in hanging baskets or window boxes for the greenhouse in winter or for outdoors in the summer..... .50 | .10 |

ASPERULA (Woodruff)

Large pkt. Pkt.

Odorata. Dwarf spring flowers of purest white; thrives in shady situations; perennial; 1 ft.; May..... \$0.30 | \$0.10 |

*Arctotis Grandis*

MICHELL'S SUPERB ASTERS

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We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country. To have early flowers, sow the seed in the house, hotbed or cold frame, from March till May; otherwise sow outdoors after danger from frost has passed. To do well, Asters require a well-pulverized soil, always kept open by continuous cultivation.



Asterum

ASTERMUM

A valuable variety of Aster of the Comet type, coming into bloom in mid-season; plants grow straight up with strong, sturdy stems, and may be set more closely than other varieties. Each plant yields from ten to fifteen blooms.

	1/4 oz.	1.00	Large pkt.	Pkt.
Lavender	1/4 oz.	\$1.00	\$0.50	\$0.15
Rose Pink	1/4 oz.	1.00	.50	.15
Shell Pink	1/4 oz.	1.00	.50	.15
White	1/4 oz.	1.00	.50	.15
Mixed	1/4 oz.	1.00	.50	.15

GIANT COMET ASTER

A flower of exquisite form and resembling Japanese Chrysanthemums; petals are curled downward at the tips.

	Oz.	Large pkt.	Pkt.
Crimson	\$2.25	\$0.40	\$0.10
Dark Blue	2.25	.40	.10
Light Blue	2.25	.40	.10
Peach Blossom	2.25	.40	.10
Pink and White	2.25	.40	.10
White	2.25	.40	.10
Choice Mixed	2.00	.40	.10
Collection, one pkt. each of above 6 colors			.50

DAYBREAK ASTERS

The Daybreak class forms strong plants of upright, bushy habit and are very profuse bloomers; excellent for beds or borders; flowers perfectly double and carried on long, erect stems.

	Oz.	Large pkt.	Pkt.
Michell's Purity (<i>White Daybreak</i>). Very free flowering; plants are literally one mass of snow-white flowers.	\$3.25	\$0.50	\$0.10
Pink Daybreak. Flowers large, double and of a delicate pink.	3.25	.50	.10
Salmon Daybreak. A splendid addition to the Daybreak class; the color is not only novel, but of a very pleasing shade of salmon pink.	4.25	.50	.15

EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length.

	Oz.	Large Pkt.	Pkt.
Light Blue	\$3.00	\$0.50	\$0.10
Pink	3.00	.50	.10
White	3.00	.50	.10

HEART OF FRANCE ASTER

The flowers are large and full to the centre; opens ruby red, deepening with age. Plants are of branching type; flower stems long. See page 48 for illustration and full description. Pkt., 25c.; 70c. per 3 pkts.

LADY ROOSEVELT ASTER

The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems, crowned with gigantic flowers. The seed we offer is selected from original specimens and then re-cleaned, and we feel sure will give absolute satisfaction. Per pkt., 15c.; 65c. per large pkt.; oz., \$3.25.

LAVENDER GEM ASTER

A beautiful variety of the Comet type, with large, perfectly double flowers of a delicate shade of lavender; begins blooming in July, continuing through August; 2 feet. Per pkt., 15c.; 50c. per large pkt.; per oz., \$3.25.

PACIFIC BEAUTY ASTER

A new variety of the same type as Crego, producing a profusion of immense blooms of a rich lavender color. The petals are wide and long and gracefully curled. See illustration, page 47. Pkt., 25c.; 65c. per large pkt.

MICHELL'S PINK SUPERB ASTER

This valuable variety of Aster is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad; those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shade of pink. One of the admirable features of this new variety is the exceedingly long stems, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; per 1/4 oz., \$1.50.



Pink Superb Aster

(oh)

AMERICAN
BEAUTY.

ASTER, AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last. Each plant forms a perfect bush.

	Oz.	Pkt.	Pkt.
Large			
Carmin Rose	\$3.00	\$0.65	\$0.15
Lavender....	3.25	.65	.15
Purple.....	3.25	.65	.15
Shell Pink...	3.25	.65	.15
Collection, one packet each of above 4 colors, 50c.			

MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth, producing, on 2-foot long stems, massive, well-formed flowers, which are always perfectly double. These Asters are wonderfully prolific and continuous bloomers from summer until frost.

	Oz.	Pkt.	Pkt.
Large			
Blue.....	\$2.25	\$0.40	\$0.10
Crimson.....	2.25	.40	.10
Lavender.....	2.25	.40	.10
Rose Pink.....	2.25	.40	.10
White.....	2.25	.40	.10
Mixed. All colors.....	2.00	.40	.10
Collection, one packet each of above 5 colors.			.40

Testimonial

ANNAPOLIS, MD.

We purchased some Aster Seed from you in the spring, and just want to mention that they were the finest and best we have ever seen, and we will be pleased to recommend them to anyone.

S. F. S.

MICHELL'S SUPERB ASTERS

CREGO ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

	Oz.	Pkt.	Pkt.
Large			
Azure Blue.....	\$2.50	\$0.50	\$0.10
Lavender.....	2.50	.50	.10
Purple.....	2.50	.50	.10
Rose Pink.....	2.50	.50	.10
Shell Pink.....	2.50	.50	.10
White.....	2.50	.50	.10
Mixed.....	2.25	.40	.10
Collection, one packet each of above 6 colors.....			.50

CHINA ASTERS

Choice Mixed. A general mixture containing many classes and colors. Pkt., 5c.; 20c. per large pkt.; per oz., 75c.

PEERLESS ASTER

This is one of the finest of the late branching types, but comes into bloom a little earlier. The plants are of robust, free-branching habit, and produce on long stems, large and perfectly double flowers.

	Oz.	Pkt.	Pkt.
Large			
Pink.....	\$3.25	\$0.65	\$0.15
White...	3.25	.65	.15
Yellow...			.25

See pages 47 and 48
for novelties and specialties in Asters.



MICHELL'S SUPERB ASTERS

KING ASTERS

A distinct type; plants are of strong, sturdy habit, fully 18 inches high; the flowers are of large size and good substance, and with long narrow petals, which are more or less quilled, forming a very attractive flower.

	Oz.	Pkt.	Pkt.
Crimson King. Rich deep crimson.....	\$3.00	\$0.50	\$0.15
Lavender King. Pale lavender.....	3.00	.50	.15
Pink King. Delicate shell pink.....	3.00	.50	.15
Purple King. A rich shade.....	3.00	.50	.15
Rose King. Beautiful, bright rose.....	3.00	.50	.15
Violet King. A soft shade of violet.....	3.00	.50	.10
White King. Large, pure white.....	3.25	.50	.15
Mixed King.....	2.75	.50	.10
Collection, 1 packet each of above 7 colors			.85

MICHELL'S IMPROVED SEMPLE'S BRANCHING ASTER

This is the finest late blooming Aster. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. Our Improved Strain has been secured after many years of careful selection. The colors are clear and attractive, which, with the long stems, makes it one of the most valuable varieties for cutting. We have received numerous testimonials on the quality of this Aster.

	Oz.	Pkt.	Pkt.
Crimson.....	\$2.00	\$0.40	\$0.10
Lavender.....	2.00	.40	.10
Purple.....	2.00	.40	.10
Rose Pink.....	2.00	.40	.10
Shell Pink.....	2.00	.40	.10
White.....	2.00	.40	.10
Choice Mixed.....	1.75	.40	.10
Collection, one pkt. each of above 6 colors			.50

ASTER, VICK'S SILVERY ROSE

A long-stemmed, large-flowering variety; each petal is a combination of deep lilac rose, almost cerise, delicately threaded with white. The threads are so tiny as to give the petals a silvery sheen; even the slightest change in light will shade the petals from a rich, glowing rose cerise to a silvery rose. Per pkt., 25c.; 65c. per 3 pkts.



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QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12-inch stems in the greatest profusion early in July.

	Oz.	Pkt.	Pkt.
Blush Pink.....	\$1.50	\$0.30	\$0.10
Crimson.....	1.50	.30	.10
Dark Blue.....	1.50	.30	.10
Light Blue.....	1.50	.30	.10
Rose Pink.....	1.50	.30	.10
White.....	1.50	.30	.10
Choice Mixed.....	1.25	.25	.10
Collection, one packet each of above 6 colors.			.50

VICTORIA ASTERS

Flowers are of large size; petals recurved; plants fairly dwarf and compact; excellent for bedding.

	Oz.	Pkt.	Pkt.
Azurea, Blue.....	\$3.00	\$0.50	\$0.10
Bird.....	3.00	.50	.10
Pale Lavender.....	3.00	.50	.10
Rose Pink.....	3.00	.50	.10
Salmon Pink.....	3.00	.50	.10

ASTER, EARLY ROYAL BRANCHING

An excellent strain of Early Branching Aster, of the same form and having the same good qualities as the Late Branching variety, coming into bloom in July or early August and lasting in perfect condition for a long time. Very desirable for beds or borders, and an excellent variety for cutting.

	Oz.	Pkt.	Pkt.
Lavender.....	\$3.00	\$0.50	\$0.10
Purple.....	3.00	.50	.10
Rose Pink.....	3.00	.50	.10
Shell Pink.....	3.00	.50	.10
White.....	3.00	.50	.10
Mixed.....	2.75	.50	.10
Collection, one packet each of above 5 colors			.40

PERENNIAL ASTER (Michaelmas Daisy)

Choice Mixed. One of the showiest of our late flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first season; 2 feet.....

\$0.30 \$0.10

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**AURICULA (Primula Auricula)**

Large pkt. Pkt.

Choice Mixed. Beautiful low growing, early spring flowering plants; fine for borders, pot culture, etc.; have multi-colored flowers in great variety; half-hardy perennial; 6 inches; May.....\$0.65 \$0.10

AVENA (Ornamental Grass) (See page 69)**BALLOON VINE (Love-in-a-Puff)**

A rapid growing annual climber; white flowers, follow- Oz. Pkt.
ed by seed pods which look like miniature balloons.. \$0.25 \$0.05

*Camellia Flowered Balsam***DOUBLE BALSAM (Lady's Slipper)**

These old-fashioned flowers have been much improved, and what we offer are perfect in form and of the largest size. Give Balsams plenty of room and they will develop to immense plants with gorgeous flowers. They are of easy culture and will surely succeed almost anywhere; height 2 feet.

	Oz.	Large Pkt.	Pkt.
Camellia Flowered, Pink	\$1.00	\$0.25	\$0.10
Camellia Flowered, Prince Bismarck. Rich salmon pink.....	1.50	.30	.10
Camellia Flowered, Scarlet	1.00	.25	.10
Camellia Flowered, White Perfection	1.50	.30	.10
Camellia Flowered, Choicest Mixed.....	.75	.25	.10
Fine Mixed.....	.50	.20	.05
Imported Collection of 6 Colors.....			.50

BALSAM APPLE (Momordica)

Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit which when ripe opens, showing a brilliant crimson interior, oz., 50c. .20 .05

BAPTISIA (False Indigo)

Australis. A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue, pea-shaped flowers in June and July..... .25 .10

BARTONIA

Aurea. A free blooming, showy annual plant with large golden yellow flowers of a metallic lustre; best adapted for partial shade and moist locations; 18 inches..... .20 .10

BABY'S BREATH (See Gypsophila)**BACHELOR'S BUTTON** (See Centaurea and Gomphrena)**BEAN (Runner)**

A rapid climber, flowering profusely; grows 10 to 15 ft. high. Scarlet. Per lb., 45c.; 85c. per 2 lbs.; pkt., 5c.

BELLIS PERENNIS (See Daisy)*Begonia, Gracilis Luminosa***BEGONIA (Semperflorens Type)**

The following varieties are unsurpassed for bedding plants, thriving equally well in partially shaded or sunny locations. As pot plants for winter flowering, they are superb. Seeds sown in February or March under glass will produce nice plants for planting out in June.

	Large pkt.	Pkt.
Erfordia. Delicate pink, one of the choicest.....	\$0.65	\$0.15
Gloire de Chatelaine. An attractive variety; flowers, soft rose pink.....	.65	.25
Mrs. Patten. Deep rose.....	.65	.25
Salmon Queen. Flowers brilliant salmon red; foliage dark green, with reddish hue.....	.65	.20
Vernon. Deep red flowers and bronzy-red foliage..	.65	.20
Choice Mixed. All sorts and varieties.....	.65	.20

BEGONIA, GRACILIS

One of the finest outdoor flowering Begonias; plants are literally covered with flowers throughout the summer; height, 1 foot.

	Large pkt.	Pkt.
Gracilis Alba. Pure white.....	\$0.40	\$0.15
Gracilis Luminosa. Deep red.....	.50	.20
Gracilis Prima Donna. Rose, shading to carmine...	.65	.20
Gracilis Rosea. Light pink.....	.40	.15

BEGONIA, REX HYBRIDS

Beautifully formed leaves with colored markings; a popular house plant.

Choice Mixed50
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BEGONIA, TUBEROUS ROOTED

These magnificent flowers are becoming very popular because they are of easy culture and extremely showy; thrive in semi-shady situations.

	Large pkt.	Pkt.
Double Choice Mixed	\$0.50	\$0.50
Single Choice Mixed	\$0.65	.15

BOCCONIA (Plume Poppy)

Cordata. A splendid, hardy perennial, with glaucous green foliage, and bearing freely, spikes 2 to 3 feet long of creamy white flowers; 5 feet..... .20 .10

BOLTONIA (False Chamomile)

Latisquama. A showy, hardy perennial, with large single, daisy-like flowers; color, pink, tinged with lilac; July to September; 4 to 6 feet..... .30 .10

BRACHYCOME (Swan River Daisy)

Iberidifolia. A desirable hardy annual, blooming profusely the greater part of the summer; small blue flowers resembling those of the Cineraria; 9 inches..... .25 .10

BRIZA MAXIMA (Ornamental Grass) (See page 69)**BROMUS (Ornamental Grass)** (See page 69)



BROWALLIA

One of our favorite bedding plants, producing beautiful flowers during the summer and autumn months; grows freely in any rich soil; blooms finely in the winter if the plants are lifted in the autumn and cut back; height, 18 inches. Large Pkt. Pkt.

Elata Coerulea. Large sky-blue flowers. \$0.25 \$0.10

Speciosa Major. Large flowers of brilliant ultramarine blue; does finely outside in the border but is especially desirable as a pot plant for winter and early spring flowering.65 .20

BUTTERFLY FLOWER (See *Schizanthus*)



Michell's Grandiflora Calceolaria

CALCEOLARIA

Excellent plants for decorating the green house or conservatory; produces a mass of pocket-like flowers through the spring and summer.

Our strains of *Calceolaria* have a wide reputation as to large size, rich and varied colors of the flowers. Large Pkt. Pkt.

Hybrida Grandiflora, Tall Mixed. Large flowering, rich, self-colored flowers saved from a choice collection; 18 inches. \$0.75 \$0.25

Hybrida Grandiflora Pumila Compacta. Of dwarf, compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot.75 .25

Sutton's Perfection. Choice mixed. 1.50

CALIFORNIA POPPY. See *Eschscholtzia*

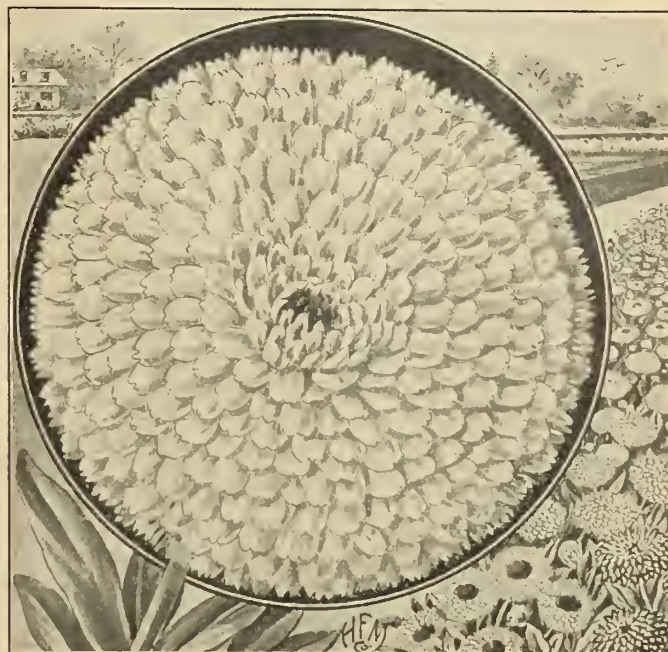
CALLIOPSIS (Coreopsis)

One of the showiest and most easily grown annuals; perfect little bushes, which are a mass of bloom from early summer until cut down by frost; excellent for cutting.

	Oz.	Large Pkt.	Pkt.
<i>Golden Wave (Drummondii)</i> . Large yellow flowers with dark brown centres; 1 foot.	\$0.40	\$0.20	\$0.10
<i>Nigra Speciosa</i> . Rich crimson; 2 feet. . . . .	.40	.20	.10
Choice Mixed. All varieties and colors. . . . .	.35	.20	.05

PERENNIAL VARIETIES

<i>California Sunbeams</i> . Very large flowers, beautifully formed; yellow and brown. . . . .	.75	.20	.10
<i>Lanceolata Grandiflora</i> . Single golden yellow flowers of graceful form; invaluable for cutting; blooms the entire summer. . . . .	.50	.20	.10



Calendula

CALENDULA (Pot Marigold)

Free flowering and showy annuals of easy culture, growing in any good garden soil, and producing a fine effect in beds or mixed borders; continues in bloom from early summer until killed by frost. Valuable for pot culture, blooming freely in winter and early spring; 1 foot.

	Oz.	Large Pkt.	Pkt.
<i>Lemon King</i> . Lemon-yellow.	\$0.35	\$0.20	\$0.10
<i>Meteor</i> . Yellow striped orange. . . . .	.35	.20	.10
<i>Orange King</i> . Rich dark orange. . . . .	.35	.20	.10
<i>Prince of Orange</i> . Dark orange striped. . . . .	.35	.20	.10
<i>Pure Gold</i> . Pure golden yellow. . . . .	.35	.20	.10
Mixed. . . . .	.35	.20	.05



Calliopsis, Golden Wave

**CAMPANULA MEDIA (Canterbury Bell)**

Showy, hardy biennial, growing about 3 feet high; of pyramidal form and covered with large bell-shaped flowers. Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw. They flower the following summer, after which they die.

	Oz.	Pkt.	Pkt.
Single Blue.....	\$0.75	\$0.20	\$0.10
Single Pink.....	.75	.20	.10
Single White.....	.75	.20	.10
Single Mixed.....	.60	.20	.05
Double Mixed.....	1/4 oz., 50c.	.30	.10

CAMPANULA CALYCANTHEMA**(Cup and Saucer Canterbury Bells)**

These produce beautiful, large single flowers, resembling a cup and saucer; very effective when grown in pots for conservatory decoration; they require the same treatment as above.

	Large pkt.	Pkt.		Large pkt.	Pkt.
Blue.....	\$0.40	\$0.10	White.....	\$0.40	\$0.10
Pink.....	.40	.10	Mixed, 1/4 oz., 60c..	.30	.10

CAMPANULAS OR BELLFLOWERS**(Perennial Varieties)**

These are among our best known hardy perennials, and deserve a place in every perennial flower garden. The tall varieties are fine for cutting, while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

	Large pkt.	Pkt.
<i>Carpatica</i> , Blue (<i>Carpathian Hare Bell</i>). Compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July.....	\$0.25	\$0.10
<i>Carpatica</i> , Alba. Pure white.....	.25	.10
<i>Persicifolia Grandiflora</i> , Blue (<i>Peach Bells</i>). Stately spikes, 4 feet tall, with immense blue bell-shaped flowers.....	.65	.15
<i>Persicifolia Grandiflora</i> , Alba. Pure white.....	.65	.15
<i>Pyramidalis</i> (<i>Chimney Bellflower</i>). Perfect pyramids 6 ft. high, crowded with large bell-shaped flowers, blue and white mixed.....	.30	.10

CANARY BIRD VINE**(*Tropaeolum Canariense*)**

One of the most charming annual climbers, bearing hundreds of pretty, fringed, bright yellow flowers, which resemble a canary bird with expanded wings...oz., 75c. .20 .05



Candytuft, Michell's Giant White



Campanulas

CANDYTUFT (Iberis)

Dwarf, profuse flowering garden annuals of easy culture; useful for bedding or borders; blooms within six weeks after sowing; excellent for cutting; height, 1 foot.

	Oz.	Pkt.	Pkt.
Carmine.....	\$0.40	\$0.20	\$0.10
Crimson.....	.40	.20	
Empress. An excellent variety with long trusses of pure white flowers.....	.40	.20	
Lavender.....	.40	.20	
Little Prince. Very dwarf and compact, with pure white flowers; excellent for edging....	.50	.20	
Michell's Giant White. The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing.....	.75	.20	
Pink.....	.50	.20	
Purple. Deep rich purple.....	.50	.20	
Choice Mixed. All colors.....	.25		
Collection. One packet each, 6 colors....			
Sempervirens. Dwarf spring flowering perennial plants; ideal for the bulb border; flowers of glistening white; May; 1 foot.....		.50	

CANNA (Indian Shot)

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape or file the edge of seed and soak in warm water until they show signs of swelling, then sow in sandy loam and place in a hotbed.

	Oz.	Pkt.
Crozy's Dwarf Mixed. From the finest sorts.....	\$0.30	\$0.10



CANTERBURY BELL (See Campanula)



Carnation, Marguerite

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

	Large pkt.	Pkt.
Chabaud's Everblooming, Mixed. Blooms in five months after being sown, and continues to flower in the greatest profusion indefinitely.....	\$0.50	\$0.15
Early Vienna. Large double flowers in mixture....	.40	.10
Choice Mixed. Double border varieties.....	.50	.10

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected they will survive an ordinary winter and bloom the following spring.

	Large pkt.	Pkt.
Excelsior Mixed. Extra large flowers.....	\$0.40	\$0.15
Pink.....	.40	.10
Scarlet.....	.40	.10
White.....	.40	.10
Yellow.....	.40	.10
Choice Mixed.....	oz., \$1.75	.25 .10

Ask for Cultural Leaflet No. 213 on the growing of Carnations from seed.

CASTOR BEAN (See Ricinus)

See pages 47 to 51 for Valuable Novelties and Specialties in Flower Seeds.

CARDINAL CLIMBER (Ipomoea Quamoclit Hybrida)

A distinct and beautiful new annual climber; a very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Succeeds best in a warm, sunny location and good soil. Leaves dark green and deeply lacinated; bears a great profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. In order to have good germination of the seed of Cardinal Climber, a small notch should be filed or cut in each seed. Per pkt. 15c.; 65c. per large pkt.



CELOSIA CRISTATA (Crested Cockscomb)

Very desirable annuals of easy culture, producing large, brilliant, comb-like heads; make excellent border plants, and are also attractive for pots; 1 to 1½ feet.

	Large pkt.	Pkt.
Giant Empress. Giant heads of rich crimson.....	\$0.30	\$0.10
Glasgow Prize. Showy dark crimson.....	.30	.10
Choice Mixed. Dwarf varieties.....	oz., \$1.00	.25 .05

CELOSIA PLUMOSA (Feathered Cockscomb)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting. Can also be cut and dried for winter bouquets.

	Large pkt	Pkt.
Childsi (Chinese Woolflower). Plants grow 2½ feet high, and produce a large number of ball-shaped scarlet flowers, resembling silky wool. For illustration see page 49.....	\$0.50	\$0.15
Childsi, Pink. Same type as above; flowers delicate pink.....	.65	.25
Golden Plume. Bright golden yellow plumes.....	.20	.10
Pride of Castle Gould. Plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads that closely resemble ostrich plumes. Colors are blood-red, carmine, yellow, orange, golden, orange-scarlet, etc., in mixture....	.40	.15
Scarlet.....	.20	.10
Spicata. Of pyramidal growth; flowers pink, shading to silvery white; 3 feet.....	.20	.10
Thompsoni Magnifica. An improved strain with various colors, ranging from the clearest yellow to the darkest blood red; 3 feet.....	.25	.10
Thompson's Superb (Triomphe de l'Exposition). A strain with bronze colored foliage and graceful feathery plumes of brilliant crimson; 3 feet.....	.20	.10
Choicest Mixed. All colors.....	oz., 60c.	.20 .05



CENTAUREAS CENTAUREA CYANUS

(Cornflower or Bachelor's Button)

Also known as Blue Bottle, Ragged Sailor, Bluet, etc.; an old favorite garden annual, flowering freely in almost any situation; excellent for cutting; 2 feet.

	Oz.	Large pkt.	Pkt.
Double Blue. Large flowering	\$0.75	\$0.20	\$0.10
Emperor William. Deep blue	.40	.20	.10
Pink	.50	.20	.10
White	.50	.20	.10
Choice Mixed	.40	.20	.10
Double Mixed	.50	.20	.05

CENTAUREA IMPERIALIS (Giant Cornflower, or Sweet Sultan)

The finest of all Sweet Sultans for cut flower purposes; gigantic, beautiful, sweet-scented flowers borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height, 2 to 3 feet.

	Oz.	Large pkt.	Pkt.
Deep Rose	\$1.00	\$0.25	\$0.10
Lavender	1.00	.25	.10
Lilac	1.00	.25	.10
Brilliant Pink	1.00	.25	.10
Purple	1.00	.25	.10
White	1.00	.25	.10
Choice Mixed	.75	.20	.10
Collection. One packet each above 6 colors.			.50

NEW GIANT FLOWERED CENTAUREA

Magnificent flowers produced on long, stout stems; excellent for cutting.

	Large pkt.	Pkt.
Bride. Pure white	\$0.40	\$0.10
Bridegroom. Purplish mauve	.40	.10
Honeymoon. Golden yellow	.40	.10

WHITE LEAVED CENTAUREA (Dusty Miller)

Grown for their silvery foliage as edging plants, also for vases, hanging baskets, etc.

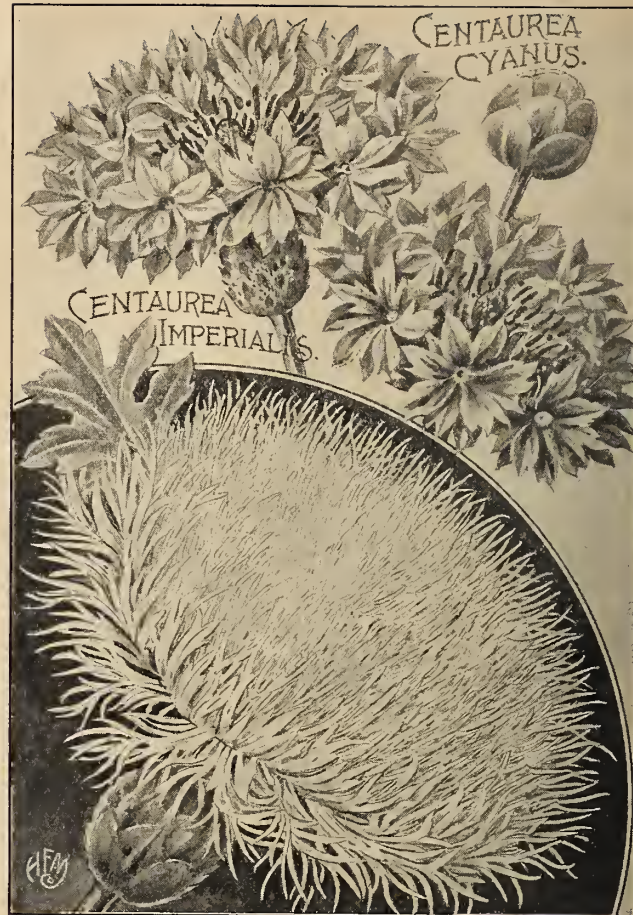
	500 Seeds.	Pkt.
Candidissima. Broad cut leaves of silvery gray	\$0.30	\$0.10
Gymnocarpa. Fine cut silvery gray foliage	.20	.10

VARIOUS CENTAUREAS

	Large pkt.	Pkt.
Suaveolens (Yellow Sweet Sultan). Showy, bright yellow, fragrant blossoms	\$0.20	\$0.10
Montana. Blue; perennial; 18 inches	.30	.10



Annual Chrysanthemums



CERASTIUM (Snow in Summer)

	Large pkt.	Pkt.
Tomentosum. Dwarf, white-leaved edging plant; flowers white; 4 inches	\$0.40	\$0.10

CHINESE WOOLFLOWER (See Celosia)

CHRYSANTHEMUM (Annual Varieties)

Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant.

	Large pkt.	Pkt.
Helios (Evening Star). Extra large pure golden yellow flowers often measuring 4 inches across; height, 2 feet	\$0.20	\$0.10
Double Mixed	oz., 40c.	.20
Single Mixed	oz., 40c.	.20

CHRYSANTHEMUM (Perennial Varieties)

Japanese Hybrids. Large flowers of the finest types; an extra choice mixture; seed sown in spring will produce flowering plants by fall; 2 feet	.65
King Edward VII. Flowers extra large; pure white; very free flowering	.25
Shasta Daisy, "Alaska." Extra large flowers, of pure glistening white, with broad overlapping petals; a beautiful cut flower; 2 feet	.50

Everett, Wash., January 20, 1920.

Gentlemen:

Please send us the enclosed order. Thanking you in advance, and will state that we have been using your flower seeds for a number of years with good results.

Yours truly,
E. F. C.

*Cineraria, Michell's Grandiflora Prize***CINERARIA**

Most ornamental plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our Grandiflora Prize Strain cannot be surpassed; immense trusses of large flowers, often measuring 4 inches across.

Grandiflora Prize Dwarf. Mixed colors; plants of dwarf habit.....	Large pkt.	Pkt.
	\$0.75	\$0.35
Grandiflora Prize Medium. Tall. Mixed colors; desirable as a decorative plant.....	.75	.35
Hybrida. Choice mixed colors.....	.65	.25
Matador. Large flowering scarlet.....	.75	.35
Stellata Hybrida. Of graceful habit; producing a profusion of flowers; mixed colors.....	.75	.25

WHITE-LEAVED CINERARIA (Dusty Miller)

Maritima Candidissima. Silvery green, lacinated foliage; good for edging.....	Large pkt.	Pkt.
	.20	.05

CLARKIA

Annuals of easy culture; planted in large groups they are very bright and effective.

Queen Mary. Double; rose carmine.....	Large pkt.	Pkt.
	\$0.20	\$0.10
Salmon Queen. Salmon pink; double.....	.20	.10
Scarlet Queen. Double; orange scarlet.....	.20	.10
White. Double.....	.20	.10
Single Mixed. All colors.....	.20	.05
Double Mixed. All colors.....	.20	.05

CLEMATIS

Perennial climbers; fine for arbors, verandas, etc.	Large pkt.	Pkt.
Flammula. Feathery white, fragrant flowers.....	\$0.20	\$0.10
Paniculata (Japanese Virgin's Bower). The beautiful autumn-flowering variety, admired for its fragrant, white, star-shaped flowers.....	.20	.10

CLEOME (Spider Plant)

An attractive annual plant with curious heads of flowers.

Pungens. Pink flowers.....	Large pkt.	Pkt.
	\$0.20	\$0.10

COBAEA SCANDENS (Cup and Saucer Vine)

Well-known climber of rapid growth, producing large, bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

Purple.	oz., 60c.	\$0.20	\$0.10
White......		.25	.10

COCKSCOMB (See Celosia)**COIX LACHRYMAE (Ornamental Grass)**

(See page 69)

COLEUS

Large Leaved Hybrids. Popular bedding plants, with beautifully colored foliage; easily grown from seed if kept in a warm temperature.....	Large pkt.	Pkt.
	\$0.65	\$0.25

*Cineraria, Stellata Hybrida***COLUMBINE (See Aquilegia)****CONVOLVULUS (Morning Glory)****MAJOR, OR TALL VARIETIES**

One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation.

Japanese Imperial. Flowers of immense size and of a great variety of colors.....	Oz.	Pkt.
	\$0.25	\$0.05
Japanese Imperial Fringed. Large fringed flowers of many beautiful colors and shades.....	.40	.10
Snow Fairy. A new and beautiful variety producing an abundance of large double, snow-white, tassel-like flowers.....	.75	.10
Mixed. The ordinary variety.....	.20	.05
Double Flowering. Mixed colors.....	.75	.10

MINOR, OR DWARF VARIETIES

A very showy, hardy annual for flower beds and borders; also rock work; height, 1 foot.

Tricolor. Blue.....	Oz.	Pkt.
	\$0.25	\$0.10
Mixed Colors......	.20	.05

*Japanese Imperial Morning Glory (Convolvulus)*



Michell's Giant Flowering Cosmos

COSMOS

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting. Any garden soil will grow Cosmos to perfection.

DOUBLE FLOWERING COSMOS

	Large pkt.	Pkt.
Double Eureka Pink. The flowers are full, round, double and very fine.....	\$0.65	\$0.25
Double Snowball. White.....	.65	.25
Double Crested Pink Beauty. A large percentage of the flowers come double, and the few singles produced are extra fine.....	.50	.15
Double Crested White Queen. Pure white.....	.50	.15
Double Crested. Mixed.....	.50	.15

LARGE EARLY FLOWERING COSMOS

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

	Oz.	Large Pkt.	Pkt.
Crimson	\$0.75	\$0.20	\$0.10
Pink.....	.75	.20	.10
White.....	.75	.20	.10
Mixed.....	.60	.20	.10

GIANT LATE FLOWERING COSMOS

Large flowers of perfect form; on long stems and lasting until frost; 5 to 6 feet.

	Oz.	Large Pkt.	Pkt.
Giant Crimson	\$0.50	\$0.20	\$0.10
“ Pink.....	.50	.20	.10
“ White.....	.50	.20	.10
“ Mixed.....	.40	.20	.05
“ Fancy Varieties. Mixed colors.....	1.00	.30	.10
“ Crimson Ray. Large flowers with narrow and fluted crimson petals, separated in star-like form.....	.75	.20	.10
Giant Lady Lenox. Flowers are of immense size, with wide overlapping petals, making a perfectly circular flower; color a beautiful shell pink.....	.60	.20	.10
Giant White Lady. A selection from the Lady Lenox described above; flowers large, pure white.....	.60	.20	.10
Klondyke. Large golden yellow flowers....	1.00	.25	.10

Ask for Cultural Leaflet No. 214 on the growing of Cosmos.

COWSLIP—(See Primula Veris)**CUPHEA (Cigar Plant)**

Platycentra. Interesting bedding plant; the Large flower is shaped like a hollow cigar; color, scarlet Pkt. Pkt. with a black and white tip; 1 foot.....\$0.50 \$0.10

CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

MICHELL'S GIANT SHOW

Grown for us by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

	100 Seeds	Pkt.
Bright Red	\$2.50	\$0.50
Dark Blood Red	2.50	.50
Glory of Wandsbek. Salmon red.....	2.50	.50
Perle of Zehlendorf. Salmon pink.....	2.50	.50
Pure White	2.50	.50
Rose of Marienthal. Bright pink.....	2.50	.50
White with Carmine Eye	2.50	.50
Mixed. All colors.....	2.00	.40

MICHELL'S LARGE FLOWERING

Flowers of large size, and of the choicest colors and shades.

	100 Seeds	Pkt.
Duke of Connaught. Crimson.....	\$2.25	\$0.50
Excelsior. White with red eye.....	2.25	.50
Grandiflora Alba. White.....	2.25	.50
Mrs. Buckston. Frilled and waved flowers; color delicate salmon. Original pkt.....		.75
Princess of Wales. Pink.....	2.25	.50
Salmon Queen. Salmon pink.....	2.25	.50
St. George. Flowers a beautiful salmon color; leaves margined with silver.....	2.25	.50
Mixed. All colors.....	1.75	.40

Ask for Cultural Leaflet No. 215 on the growing of Cyclamen

CYPERUS (Umbrella Plant)

Large Pkt. Pkt.

Alternifolius. An elegant plant for growing in water or damp places; useful as a pot plant.....\$0.40 \$0.10



CYPRESS VINE (*Ipomoea Quamoclit*)

A very graceful twining annual climber, with very delicate fern-like foliage; it is of rapid growth, and a beautiful vine for trellises, verandas, etc. Seed should be soaked for a few hours in warm water before sowing; 15 feet.

	Oz.	Large Pkt.	Pkt.
Scarlet	\$0.60	\$0.20	\$0.10
White	.60	.20	.10
Mixed	.50	.20	.05



Dahlia, Giant Perfection

DAHLIAS (From Seed)

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises. Seed should be started in the house from February till May, and the young plants should not be set outdoors until danger from frost is past.

DOUBLE FLOWERING VARIETIES

	Large pkt.	Pkt.
Cactus. Choice mixed, from the best varieties	\$.50	\$0.10
Large Flowering (<i>Show Type</i>). Mixed; extra fine	.40	.10

SINGLE FLOWERING VARIETIES

Collarette. Flowers of various colors, with a collar of small petals around the centre; novel and beautiful.	.30	.15
Giant Perfection. Immense single flowers of various colors; many beautifully striped and spotted.	.25	.10

DAISY, ENGLISH DOUBLE (*Bellis Perenns*)

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and protected during the winter, and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches. Large pkt. Pkt.

Longfellow. Large double pink flowers	\$.50	\$0.10
Monstrosa, Pink. These surpass all strains of this popular plant in strong, robust growth and in the abundance of extra large, perfectly double flowers	.65	.25
Monstrosa, White	.65	.25
Monstrosa, Mixed	.65	.25
Snowball. Purest white; large and double	.50	.10
Double Mixed. Extra fine	.40	.10

DATURA (Trumpet Flower)

A most ornamental plant, growing quite bushy, with extra large trumpet-shaped flowers; height, 2 to 3 feet. Large pkt. Pkt.

Cornucopia (<i>Horn of Plenty</i>). Large double sweet-scented flowers; white marbled with purple	\$0.20	\$0.10
Double Mixed. Various colors	.20	.05



Delphinium, Bella Donna

DELPHINIUM (Hardy Perennial Larkspur)

One of the finest hardy perennials; very easily grown from seed, blooming the first season if sown early. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded, and new shoots will produce flower heads successfully.

	Large pkt.	Pkt.
Belladonna. One of the most continuous blooming varieties; immense spikes of clear turquoise blue, which cannot be excelled for beauty; 5 feet	\$0.65	\$0.25
Chinense Grandiflorum. A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet	.25	.10
Chinense Grandiflorum Album. Pure white flowers	.25	.10
Elatum (<i>Bee Larkspur</i>). Rich blue; 4 feet	\$.175	.30
Formosum. Deep blue; 3 feet	1.75	.30
Formosum Coelestinum. Sky blue	.50	.15
Kelway's Giant. An extra fine strain of strong, vigorous growth, with immense spikes of large flowers; many shades of blue; 5 to 7 feet	.50	.15
Rev. E. Lascelles. An extra fine variety; large double deep blue flowers with white centre	.65	.15
Zalil. Sulphur yellow; 4 feet	.50	.10
Hybridum Mixed. Very choice; 4 feet	.20	.05

For Annual Larkspur, see page 71.

DIDISCUS

Coeruleus (<i>Blue Lace Flower</i>). An annual, blooming from July until frost; color, pale lavender; excellent for cutting	.65	.25
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*Dianthus—Annual Pinks***DIANTHUS (Pinks)**

A most satisfactory class of flowers, easily raised from seed; are in constant bloom the entire season; excellent for cutting.

	Oz.	60c.	\$0.20	\$0.05
DOUBLE ANNUAL SORTS				
China or Indian Pink. All colors mixed	oz.,	\$1.25	.25	.10
Fireball. Fiery scarlet	oz.,	\$1.75	.30	.10
Fringed. Large flowers; mixed	oz.,	.75c.	.20	.10
Japan Pink. Choice mixed	oz.,	\$1.25	.25	.10
White. Large fringed flowers	oz.,			

SINGLE ANNUAL SORTS

Japan Pink. All colors. Mixed	oz.,	.75c.	.20	.05
Nobilis (<i>Royal Pinks</i>). An improved strain; a varied range of bright colorings	oz.,	.90c.	.25	.10
Salmon Queen. Fringed; salmon pink	oz.,	\$1.25	.25	.10
Vesuvius. Brilliant geranium red	oz.,	\$1.25	.25	.10
Imported Collection. 10 varieties				.50

HARDY GARDEN PINKS

Elegant summer flowering border plants, producing a wealth of deliciously fragrant flowers.

	Oz.	75c.	.20	.10
Clove Scented. Double and semi-double varieties, in beautiful colors; fragrant				
Double Scotch. Choice colors		.40	.15	
Erfurt. Dwarf; compact; early; mixed colors		.50	.10	
Latifolius <i>Atrococcineus</i> Fl. Pl. (<i>Everblooming Hybrid Sweet William</i>). Free flowering; velvety crimson scarlet; double			.30	.10
Pheasant's Eye. Single fringed flowers; mixed colors	oz.,	.75c.	.20	.10

DICTAMNUS (Gas Plant)

Fraxinella. Showy, bushy plants; 2½ feet high; purple red flowers; June and July		.20	.10	
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*Digitalis (Foxglove) Gloxiniaeflora***DIGITALIS (Foxglove)**

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful tubular-shaped flowers; 4 to 5 feet.

	Oz.	Pkt.	Pkt.	Pkt.
Gloxiniaeflora, Pink	\$1.00	\$0.25	\$0.10	
“ Purple	1.00	.25	.10	
“ White	1.00	.25	.10	
“ Mixed	.90	.20	.10	
Grandiflora, Yellow	.90	.20	.10	
Monstrosa (Mammoth Foxglove). The tall spikes are surmounted by one monstrous flower. All colors mixed	1.50	.30		

*Dimorphotheca Aurantiaca***DIMORPHOTHECA Large pkt. Pk.**

Aurantiaca (African Orange Daisy). One of the showiest garden annuals; compact, bushy plants with orange-gold daisy-like blooms on long stems; excellent for cutting	\$0.25	\$0.10
Aurantiaca Hybrida. A splendid mixture of colors and shades, from white through various shades of yellow, orange, rose, etc.	.30	



Everlastings should be grown in every garden, not only for summer blooming, but also as cut flowers for winter decoration. The flowers should be picked before they expand and hung, with the tops downward, to dry for winter bouquets.

ACROCLINIUM (Everlasting Flower)

Showy, free-flowering annual plants; excellent for cutting. 1 foot. Large pkt. Pkt.

Double Rose Pink	.....	\$0.25	\$0.10
Double White	.....	.25	.10
Double Mixed	.....	.20	.05

GOMPHRENA (Globe Amaranth)

Also called "Bachelor's Buttons;" a showy annual everlasting; flowers resemble clover heads and when dried are useful for winter bouquets; fine for bedding.

		Oz.	Pkt.	Pkt.
Nana Compacta.	Dwarf red; 1 foot.....	\$0.60	\$0.20	\$0.10
Mixed.	All colors; 2 feet.....	.50	.20	.05

RHODANTHE (Everlasting Flower)

A beautiful annual, for the garden or for pot culture; valuable for dried winter bouquets; 1 foot. Large pkt. Pkt.

Double Pink.	Fine for cutting.....	\$0.50	\$0.10
Mixed Colors.	.....	.20	.05

DOLICHOS (Hyacinth Bean)

Rapid growing annual climber, bearing a profusion of bean-like flowers; excellent for arbors, trellises, etc. Oz. Pkt.

Darkness.	A variety from Japan; rapid grower; flowers reddish violet.....	\$0.30	\$0.10
Daylight.	Identical to the above except in color, which is pure white.....	.30	.10
Choice Mixed	.....	.20	.05

DRACAENA

Ornamental plants for vases or conservatory decoration.

		Large pkt.	Pkt.
Australis.	Broad green leaves.....	\$0.20	\$0.10
Indivisa.	Narrow green leaves.....	oz., 50c.	.20 .10

ECHINOCYSTIS (Wild Cucumber Vine)

Lobata. One of the quickest growing vines; excellent for covering trellises, fences, etc. oz., 35c. .20 .05

ESCHSCHOLTZIA (California Poppy)

An elegant hardy annual with fine cut foliage, and large, Poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 foot. Large pkt. Pkt.

Californica.	Pure yellow.....	oz., 40c.	\$0.20	\$0.05
Carmine King.	Beautiful carmine rose on both sides of the petals.....	oz., 60c.	.20	.10
Golden West.	Magnificent large deep golden yellow flowers.....	oz., 40c.	.20	.10
Mandarin.	Inner side of petals orange, outer petals brilliant scarlet.....	oz., 40c.	.20	.05
Rose Cardinal.	Carmine rose.....	oz., 40c.	.20	.05
Vesuvius.	Rich wallflower or coppery red.....	oz., 75c.	.20	.10
White.	.....	oz., 40c.	.20	.05
Choice Mixed.	.....	oz., 35c.	.20	.05
Collection,	one packet each, 8 varieties.....			.60

HELICHRYSUM (Strawflower)

One of the best and most popular of the everlasting flowers; the varieties offered below are all of the Monstrosum type, producing larger and more perfectly double flowers than the old variety. Valuable for cutting or decoration, either when fresh or in their dried state. 2 feet. Oz. Large pkt. Pkt.

Fireball.	Crimson.....	\$1.00	\$0.25	\$0.10
Golden Ball.	Golden yellow.....	1.00	.25	.10
Rose Carmine.	.....	1.00	.25	.10
Salmon Pink	.....	1.00	.25	.10
Silver Ball.	White.....	1.00	.25	.10
Violet	.....	1.00	.25	.10
Choice Mixed.	.....	.75	.20	.05

Collection, one packet each of above six colors, 50c.

XERANTHEMUM (Everlasting Flower)

Double Mixed. Showing hardy annual of easy culture producing a profusion of flowers; excellent for winter bouquets Large pkt. Pkt. \$0.20 \$0.10



Eschscholtzia (California Poppy)

**EULALIA (Ornamental Grass).** See page 69**EUPATORIUM**

A fine hardy perennial, which will grow and thrive in almost any situation; blooms the first season from seed if sown early; excellent for cutting; 2 feet. Large pkt. Pkt.
Fraseri. Feathery white flowers.....\$0.20 \$0.10

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet. Large pkt. Pkt.

Heterophylla (Mexican Fire Plant). Glossy green leaves, turning to orange scarlet in mid-season.....\$0.25 \$0.10

Variegata (Snow on the Mountain). Foliage veined and margined with white.....oz., 60c. .20 .10

FERNS

Adiantum (Maiden Hair). Mixed.....1.00 .15

Pteris Varieties. Mixed.....1.00 .15

All Sorts Mixed. Choice collection.....1.00 .15

We can also furnish all other good varieties of fern spores.

FEVERFEW (Matricaria)

Double White. Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inches.....oz., 60c. .20 .10

FORGET-ME-NOT. (See Myosotis)**FOUR O'CLOCK. (See Marvel of Peru)****FOXGLOVE. (See Digitalis)**

Gaillardia, Grandiflora Superba

**GAILLARDIA (Blanket Flower)
ANNUAL VARIETIES**

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

Large pkt. Pkt.
Picta Lorenziana. Double mixed.....oz., 60c.\$0.20 \$0.10
Picta Mixed. Single flowers in all colors.....oz., 50c. .20 .05

PERENNIAL VARIETIES

One of the most brilliant of hardy perennials; blooming the first year from seed if sown early; 2 feet. Large pkt. Pkt.

Grandiflora Compacta. A compact variety; choice mixed colors; 12 to 15 inches.....oz., 90c.\$0.20 \$0.10

Grandiflora Sanguinea. Blood red flowers......25 .15

Grandiflora Semi-Double. Mixed......25 .10

Grandiflora Superba. Mixed colors.....oz., 90c. .20 .10

GENTIANA (Blue Gentian) Large pkt. Pkt.

Acaulis. A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations.....\$0.30 \$0.10

GERANIUM

100 Seeds Pkt

Apple Scented. Highly esteemed on account of its fern-like, fragrant foliage; 1 foot.....\$0.40 \$0.10

Pelargonium (Lady Washington). Seed saved from the largest flowered show varieties.....2.00 .25

Large pkt. Pkt.

Zonale Mixed. A superb strain of the largest and finest varieties; 1 to 2 feet.....\$0.30 \$0.10

GERBERA (Transvaal Daisy)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting. 100 Seeds Pkt.

Jamesoni Gigantea. Large flowers of bright scarlet.\$1.25 \$0.25

Jamesoni Hybrida. These hybrids include a wonderful range of brilliant colors and shades.....1.00 .25

GEUM

Large pkt. Pkt.

Atrosanguineum Fl. Pl. A beautiful hardy perennial, bearing large, showy, double, dark crimson flowers all through the summer; fine for bouquets; 1½ ft.....\$0.25 \$0.10

Mrs. Bradshaw. Large, double brilliant scarlet flowers; blooms the entire summer......40 .15

GLOXINIA

Hybrida Grandiflora. An extra fine strain, embracing all the choicest self-colored and tigered and spotted flowers......75 .25

GODETIA (Satin Flower)

Beautiful and easily grown hardy annuals, producing a profusion of flowers of satiny texture. Large pkt. Pkt.

Duchess of Albany. Pure white, of compact growth.\$0.20 \$0.10

Gloriosa. Large, blood-red flowers......20 .10

Rosamond. Of dwarf habit; flowers shell-pink.... .20 .10

Choice Mixed. All colors......20 .05

GOMPHRENA (Globe Amaranth)

See Everlastings, page 67.



Ornamental Gourds

GOURD (Ornamental)

	Oz.	Pkt.	Pkt.
Calabash or Dipper. No. 1.....	\$0.40	\$0.20	\$0.00
Egg-Shaped. White like an egg. No. 2...	.40	.20	.00
Hercules Club. Club-shaped. No. 3.....	.40	.20	.00
Luffa (Dish Rag or Bonnet Gourd). No. 4...	.40	.20	.00
Orange-Shaped (Mock Orange). No. 5.....	.40	.20	.00
Pear-Shaped. Striped. No. 6.....	.40	.20	.00
Sugar Trough. Used as water holder. No. 8.	.40	.20	.00
Mixed. In a great variety.....	.35	.20	.00



Pennisetum, Ruppelianum (Ornamental Grass)

GRASSES (Ornamental)

These are very interesting and useful, either for growing in clumps, mixed borders or in shrubberies. Also when dried they are fine for winter bouquets and decorations, for which purpose they should be gathered before fully matured.

ARUNDO (Great Reed) Large pkt. Pkt.

Donax. Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 feet....\$0.20 \$0.10

AVENA (Animated Oats)

Sterilis. Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches..... .20 .10

BRIZA (Quaking Grass)

Maxima. Elegant panicles; excellent for bouquets and dried flowers; annual; 1 foot..... .20 .10

BROMUS

Brizaeformis. Large drooping panicles, useful for bouquets; 2 feet; annual..... .20 .10

COIX LACHRYMAE (Job's Tears)

A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet...oz., 25c. .05

EULALIA

Japonica. A hardy perennial variety, with long graceful leaves; green and white striped; 4 to 5 feet .20 .10

GYNERIUM (Pampas Grass)

Argenteum. White silvery plumes; perennial; blooms the second season; 8 to 10 feet..... .20 .10

HORDEUM JUBATUM (Squirrel Tail Grass)

Bushy panicles; excellent for bouquets; annual; 3 feet .20 .10

PENNISETUM

Longistylum. Graceful greenish-white plumes, fine for beds or dried bouquets; 2 feet; annual..... .20 .10

Ruppelianum (Purple Fountain Grass). Excellent for beds or for dried bouquets; purple plumes; 3 feet; annual..... .20 .10

STIPA PENNATA (Feather Grass)

Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet..... .30 .10

One packet each of the above 11 varieties of Ornamental Grasses for 75 cents.

GREVILLEA

(Silk Oak)

Robusta. A beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed. Produces good sized plants in a short time. Pkt., 10c.; 25c. per large pkt.; oz., 90c.

GYPSOPHILA

(Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers; 2 feet.



Gypsophila Paniculata Fl. Pl.

Oz. Large pkt. Pkt.

Elegans Alba Grandiflora. A hardy annual variety; delicate sprays of pure white flowers..... \$0.35 \$0.20 \$0.10

Paniculata. Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early..... .75 .20 .10

Paniculata fl. pl. Perennial, with a profusion of double white flowers..... .65 .20

HELENIUM (Sneeze-Wort)

Autumnale Superbum. Hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; blooms in late summer and autumn, 5 to 6 feet..... .30 .10

HELIANTHUS (See Sunflower)

HELICHRYSUM (Strawflower)

See Everlastings, page 67.

HELIOPSIS (Orange Sunflower)

Large pkt. Pkt.

Pitcheriana. A handsome hardy perennial, producing an abundance of deep orange-yellow flowers the entire summer; excellent for cutting; 3 to 4 feet....\$0.20 \$0.10

HELIOTROPE

A well-known and highly prized plant on account of the delightful fragrance of the flowers; seed started indoors in the spring will make fine plants for summer blooming; can also be sown outdoors in May; excellent for pots, or for bedding; 18 inches.

Large pkt. Pkt.

Lemoine's Giant. Produces a profusion of flowers nearly double the size of the old sort; mixed colors..\$0.40 \$0.15

Regal. Of dwarf compact growth; immense flowers; all shades..... .50 .15

Choice Mixed. Of many varieties..... .30 .10

HEUCHERA (Alum Root)

Sanguinea. Hardy perennial; spikes of vivid crimson flowers; excellent for cutting; 1 foot..... .50 .10

HIBISCUS (Marshmallow)

Showy ornamental perennial plants for mixed beds or shrubbery borders, with large and beautifully colored flowers.

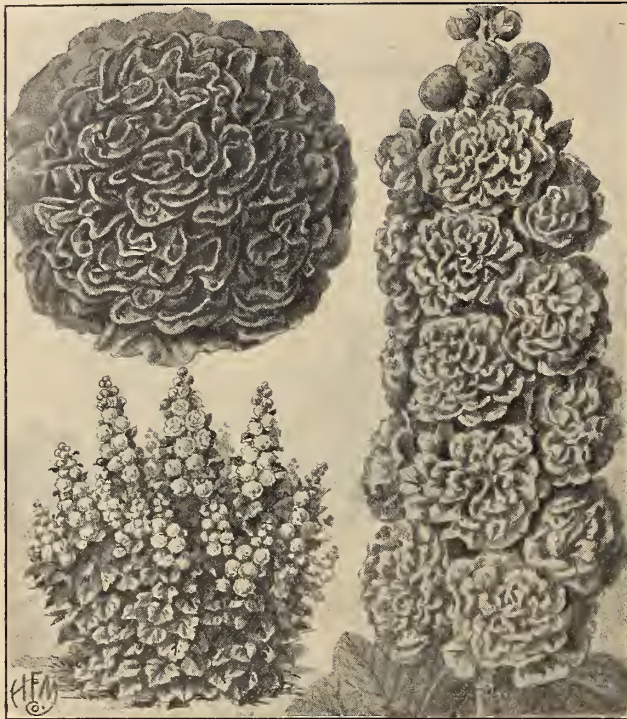
Large pkt. Pkt.

Crimson Eye. Flowers large; color, pure white with velvety crimson centre, 4 feet.....\$0.20 \$0.10

Golden Bowl. Giant yellow, maroon centre..... .20 .10

Moscheutos. Large, rosy pink flowers..... .20 .10

New Giant (Mallow Marvel). A greatly improved form; gigantic single flowers, in many shades of red, pink, purple and white, mixed..... .25 .15



Hollyhock, Chater's Double

HOLLYHOCK

A popular and desirable hardy perennial plant; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

	Oz.	Large Pkt.	Pkt.
<i>Allegheny</i> . Semi-double; mammoth flowers, edges fringed and lacinated; mixed.....	\$1.00	\$0.25	\$0.10
<i>Chater's Double Maroon</i>	1.25	.25	.10
<i>Chater's Double Pink</i>	1.25	.25	.10
<i>Chater's Double Red</i>	1.25	.25	.10
<i>Chater's Double Salmon</i>	1.25	.25	.10
<i>Chater's Double White</i>	1.25	.25	.10
<i>Chater's Double Yellow</i>	1.25	.25	.10
<i>Chater's Double Mixed</i>	1.00	.25	.10
Collection, one packet each of above 6 colors.....			.50
Single Mixed.....	.90	.20	.10

ANNUAL EVERBLOOMING HOLLYHOCK

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.

	Oz.	Large Pkt.	Pkt.
<i>Double Ever-blooming Mixed</i> . Colors range from white to deep black, yellow, pink, red and purple.....	\$1.25	\$0.30	\$0.15
<i>Single Ever-blooming Mixed</i>	1.00	.25	.10

Ask for Cultural Leaflet No. 212 on the growing of Hardy Perennials from seed.

HONESTY (Lunaria)

	Large Pkt.	Pkt.
<i>Biennis Alba</i> . Hardy biennial, admired for its silvery seed pods, which are used for ornamental purposes; beautiful and curious, 2 feet.....	.20	.05

HORDEUM (Ornamental Grass) See page 69**HUMULUS (Japanese Hop)**

A rapid growing annual climber with luxuriant foliage; excellent for covering verandas, trellises, etc.

	Oz.	Large Pkt.	Pkt.
<i>Japonicus</i> . The foliage resembles that of the common Hop; is very dense, and of a lively green color.....	\$0.50	\$0.20	\$0.10
<i>Japonicus Variegatus</i> . A variegated variety of the above. The leaves are beautifully mottled and splashed silvery white, light and dark green.....	.60	.20	.10

HUNNEMANNIA (Giant Yellow Tulip Poppy)

Fumariaefolia. Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of July, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, 2 feet.....oz., 60c. \$0.20 \$0.10

HYACINTH BEAN (See Dolichos)**IBERIS (See Candytuft)****ICE PLANT (See Mesembryanthemum)****IMPATIENS (Sultan's Balsam)**

A charming plant for house and conservatory decorations, flowering profusely and almost continuously. Large pkt. Pkt.

Holstii. Resembles *Impatiens Sultani* in leaf and shape of bloom, but flowers are larger; color, vermilion red.....\$0.50 \$0.20

Holstii, "New Hybrids." The colors offered in these Hybrids are beautiful and of many shades... .50 .15

Sultani. Bright rose......50 .15

Sultani Hybrida. Colors range from pale pink to dark crimson......50 .15



Ipomoea (Moon Flower)

IPOMOEA

	Large Pkt.	Pkt.
<i>Heavenly Blue (Rubra Coerulea)</i> . Beautiful, large, sky-blue flowers.....oz., \$1.00	\$0.25	\$0.10
<i>Noctiflora (Moon Flower)</i> . At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers.....oz., 60c.	.20	.10
<i>Quamoclit Hybrida (Cardinal Climber)</i> . Fiery cardinal red.....	.65	.15
<i>Setosa (Brazilian Morning Glory)</i> . Large leaves and bright rose-colored flowers.....oz., 50c.	.20	.10
<i>Mixed</i> . Various colors.....oz., 50c.	.20	.05

IRIS (Flowering Flag)

	Large Pkt.	Pkt.
<i>Kaempferi (Japanese Iris)</i> . Hardy perennial; very showy; blooms the second year from seed; mixed colors; 3 feet.....	.20	.05

JOB'S TEARS (See Grasses, Page 75)**KENILWORTH IVY (Linaria Cymbalaria)**

A charming, neat trailing plant, for baskets, vases, pots and rock work; flowers violet......30 .10

**KOCHIA (Summer Cypress or Mexican Fire Bush)**

Large pkt. Pkt.

Trichophylla. An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet.oz., 40c. \$0.20 \$0.05

KUDZU VINE. See Pueraria**LANTANA**

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

Large pkt. Pkt.

Dwarf Mixed. 10 inches high; all colors. \$0.20 \$0.10
Choice Mixed. 2 to 3 feet high.oz., 60c. .20 .10

*Larkspur, Double Tall Stock Flowered***LARKSPUR (Annual)**

Splendid annuals of easy culture; seed sown early in spring will produce blooming plants by July; graceful fern-like foliage and slender spikes with double rosette flowers; fine for cutting or garden decoration.

DWARF DOUBLE ROCKET Large

Mixed. A compact bushy plant with several Oz. Pkt. Pkt.
spikes of double flowers; height, 1 foot. \$0.40 \$0.20 \$0.05

GIANT HYACINTH FLOWERED

The flowers are large, very double and borne on spikes, resembling a double Hyacinth; 1½ feet.

.....oz. Large Pkt. Pkt.
Mixed Colors. \$0.75 \$0.20 \$0.05

TALL DOUBLE STOCK FLOWERED

Plants branch freely, bearing long spikes of beautiful double flowers; height, 2½ feet.

.....oz. Large Pkt. Pkt.
Dark Blue. \$0.75 \$0.20 \$0.10
Lilac.75 .20 .10
Lustrous Carmine.75 .20 .10
Shell Pink.75 .20 .10
Sky Blue.75 .20 .10
White.75 .20 .10
Mixed. All colors.60 .20 .05

Collection, one packet each of the above 6 colors, 50c.

Ask for Cultural Leaflet No. 216 on the growing of Larkspur. For Perennial Larkspur, see Delphinium, page 65.

LATHYRUS LATIFOLIUS

(Everlasting or Perennial Pea)

Showy hardy perennial climber; fine for covering walls, stumps, fences, etc. Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting; 6 to 8 feet.

Oz. Large pkt. Pkt.

Crimson. Brilliant. \$1.00 \$0.25 \$0.10
Pink Beauty. Bright rosy-pink. 1.50 .30 .10
White. 1.00 .25 .10
Choice Mixed. All colors.80 .20 .05

LAVENDER (Lavendula Vera)

Well-known, hardy perennial, bearing long spikes of fragrant blue flowers; excellent for the mixed border; 18 inches.oz., \$1.00 .25 .10

LEPTOSYNE

Maritima. Free flowering hardy annual; large, single yellow flowers, borne on long stems; excellent for cutting; 2 feet.40 .10

LINARIA (See Kenilworth Ivy)**LINUM (Scarlet Flax)**

Grandiflorum Rubrum. Ideal for bedding; dwarf and compact, with light green foliage and bright scarlet flowers; annual; 1 foot.oz., 40c. .20 .05

*Lobelia, Crystal Palace Compacta***LOBELIA**

No garden is complete without an edging of blue Lobelia, and for a long season of bloom there is nothing that can take its place; also desirable for pots, hanging baskets, etc. Large pkt. Pkt.

Barnard's Perpetual. Deep blue with white eye; trailing; an excellent sort. \$0.40 \$0.10

Blue Bird (New). Dwarf, compact habit; very free flowering; color, bright ultramarine blue with a distinct white eye.40

Crystal Palace Compacta. Very compact; deep blue; the best for edging.50 .10

Crystal Palace Speciosa. Of trailing habit; deep ultramarine blue; fine for vases.25 .10

Emperor William. Flowers sky blue, plants compact.40 .10

Gracilis. Of trailing habit, light blue.20 .10

Sapphire. A beautiful trailing variety; of strong growth; the flowers are unusually large; color, deep blue with large clearly defined white eye.50 .20

White Gem. Very compact, snow-white flowers.40 .10

Mixed. All colors.25 .05

Cardinalis (Cardinal Flower). Hardy perennial, with long spikes of cardinal red flowers. These are one of the few flowering plants that thrive in shady situations.50 .10



Lupinus

LUPINUS (Lupin)**ANNUAL VARIETIES**

Very popular, free flowering, easily grown plants of branching habit, with long spikes of pea-shaped flowers for most of their length; excellent for cutting; will bloom in six weeks after sowing; 2 feet.

	Oz.	Large Pkt.	Pkt.
Rich Blue.....	\$0.50	\$0.20	\$0.10
Pink.....	.50	.20	.10
Scarlet, White Tipped.....	.50	.20	.10
Sky Blue.....	.50	.20	.10
White.....	.50	.20	.10
Yellow.....	.50	.20	.10
Mixed. All Colors.....	.40	.20	.05

PERENNIAL VARIETIES

Graceful spikes with pea-shaped flowers; excellent for cutting; May and June; 2 to 3 feet.

	Large Pkt.	Pkt.
Polyphyllus Blue.....	\$0.20	\$0.10
Polyphyllus Roseus. Pink.....	.25	.10
Polyphyllus Somerset. Yellow.....	.40	.15
Polyphyllus White.....	.20	.10
Polyphyllus Mixed.....	oz., 50c.	.20 .05

Ask for Cultural Leaflet No. 217 on the culture of Lupinus.

LYCHNIS

One of the finest hardy perennials; remarkable for the brilliancy of their flowers; of easy culture; excellent for massing in large beds or borders.

	Large Pkt.	Pkt.
Chalcedonica (<i>Rose Campion</i>). Fine scarlet cross-like flowers; 2 feet; July.....	oz., 60c.	.20 .10
Haageana. Brilliant, large, orange, scarlet, pink and crimson flowers, mixed; 1 foot; July.....	.50	.10

MATTHIOLA

Bicornis (<i>Evening Scented Stock</i>). A desirable annual, on account of its delightful fragrance during the evening; color, purplish lilac.....	.20	.10
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MAURANDIA

A climber of rapid growth, for baskets, vases and trellises; produces tube-shaped flowers; 10 feet.

	Large Pkt.	Pkt.
Barclayana. Purple.....	\$0.40	\$0.10
Choice Mixed.....	.30	.10



Marigold

MARIGOLD (Tagetes)

These are old favorite free flowering annuals, with rich and showy flowers, blooming all summer. The Tall African varieties are well adapted for large beds or mixed borders, while the Dwarf French varieties are better suited for bedding purposes.

AFRICAN VARIETIES

	Large Pkt.	Pkt.
Tall growth, from 2½ to 3 feet high.		
El Dorado. All shades of yellow.....	oz., 60c.	\$0.20 \$0.10
Lemon Queen. Soft lemon yellow.....	oz., 75c.	.20 .10
Orange Beauty. Large single flowers, the petals of which are beautifully frilled.....	oz., \$1.00	.25 .10
Orange Prince. Large flowers, of a deep golden orange color; very showy.....	oz., 75c.	.20 .10
Pride of the Garden. Dense bushes, 18 inches high; large, golden yellow flowers.....	oz., 60c.	.20 .10
Large African. Tall double mixed.....	oz., 50c.	.20 .05
Imported Collection, 6 Varieties.....		.40

FRENCH VARIETIES

Dwarf Gold Striped. Double; brownish red, striped golden yellow; 1 foot.....	oz., 75c.	.20 .10
Legion of Honor (<i>Little Brownie</i>). Single flowers; golden yellow with a large spot of crimson velvet; 9 inches; early flowering.....	oz., 50c.	.20 .10
Liliput. Dwarf; excellent for pots; small double flowers; mixed colors; 4 inches.....	oz., 90c.	.25 .10
Dwarf French Mixed. All colors; 1 foot.....	oz., 50c.	.20 .05
Imported Collection, 6 Varieties.....		.40

MARVEL OF PERU (See Next Page)**MATRICARIA. (See Feverfew)****MESEMBRYANTHEMUM**

Dwarf trailing annuals for rockeries, edgings and vases.		
Cordifolium Variegatum. Variegated foliage; Large Pkt. Pkt.		
rose-colored flowers.....	\$0.50	\$0.10
Crystallinum (<i>Ice Plant</i>). Singular icy foliage; flowers white.....	.20	.05
Tricolor (<i>Wax Plant</i>). Various colors.....	.25	.10



Marvel of Peru (Four O'clock)

MARVEL OF PERU (Four O'clock)

Choice Mixed. Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet. \$0.25 \$0.05



Mignonette, Mitchell's Colossal

MIGNONETTE

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; can also be grown in pots for winter and early spring flowering. Lg. pkt. Pkt.

Allen's Defiance. Spikes invariably attain a height of 12 to 15 inches; fragrant oz., 60c. \$0.20 \$0.10

Bismarck. Compact plant of strong growth, with stout spikes of large flowers. oz., 90c. .25 .10

Golden Machet. Large golden yellow. . . oz., 50c. .20 .10

Goliath. Giant spikes of red flowers. oz., \$1.50 .30 .10

Machet. Large reddish tinted, sweet scented flowers. oz., 60c. .20 .10

Mitchell's Colossal. Foliage, stalks and flowers are very robust. The flower - spikes often average 18 to 24 inches; extremely fragrant. .50 .15

Sweet Scented. The popular garden sort. . . oz., 30c. .15 .05
Collection. Six varieties, our selection.40
Ask for Cultural Leaflet No. 204 on the growing of Mignonette.

MIMOSA (See Sensitive Plant)

MIMULUS

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half hardy perennials, blooming the first year if sown early.

Large pkt. Pkt.
Moschatus (Musk Plant). Fine for hanging baskets; yellow flowers; fragrant foliage; 6 inches. \$0.40 \$0.10
Tigrinus (Monkey Flower). Fine mixed tigered and spotted varieties; 1 foot.40 .10

MUSA ENSETE (Abyssinian Banana)

A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in hotbed or bottom heat in greenhouse. Per 10 seeds, 30c.; 65c. per 25 seeds.

MOMORDICA (See Balsam Apple)

MOONFLOWER (See Ipomoea)

MORNING GLORY (See Convolvulus)

MOURNING BRIDE (See Scabiosa)



Myosotis (Forget-Me-Not)

MYOSOTIS (Forget-Me-Not)

Beautiful, half hardy perennials, blooming the first year from seed; succeeding best in moist, shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering seed should be sown in frames in July or August.

Large pkt. Pkt.
Alpestris Victoria. Of bushy habit; bearing large bright blue flowers; very fine; 6 inches. \$0.30 \$0.10
Dissitiflora. Of dwarf, compact habit; deep green foliage, and attractive deep blue flowers.50 .10
Eliza Fanrobert. Of strong growth, with clusters of large, bright blue flowers; 10 inches.30 .10
Grandiflora Alba. Large white flowers; 8 inches. . . .30 .10
Grandiflora Rosea. Large pink flowers; 8 inches. . .30 .10
Palustris. The true Forget-Me-Not; bright blue flowers; 8 inches.50 .10
Palustris Semperflorens. Dwarf; blooms the entire season; deep blue.50 .10
Royal Blue. This variety belongs to the upright pillar-shaped section; large deep blue flowers; 12 inches.40 .10
Ruth Fischer. Plant of neat, compact habit; flowers extra large and of a lovely sky blue.65 .25
Choice Mixed oz., \$1.00 .20 .05



Michell's Giant Flowering Nasturtiums

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size, as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

DWARF OR BEDDING* (Tom Thumb)

Of dwarf, compact growth; excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

	¼ lb.	Oz.	Pkt.
Aurora. Rich yellow, veined carmine.....	\$0.60	\$0.20	\$0.05
Beauty. Yellow, with scarlet veinings.....	.60	.20	.05
Bronze. Burnished bronze color.....	.60	.20	.05
Chameleon. Produces various colors and markings on the same plant.....	.60	.20	.05
Cloth of Gold. Bright golden yellow leaves and brilliant scarlet flowers.....	.60	.20	.05
Crystal Palace Gem. Sulphur yellow, spotted maroon.....	.60	.20	.05
David Burpee Spencer. Compact plants with emerald green leaves, which are wavy and ruffled; flowers deep scarlet.....	.75	.25	.10
Empress of India. A splendid variety, with dark leaves and crimson flowers.....	.60	.20	.05
Golden King. Dark foliage; rich, golden yellow flowers.....	.60	.20	.05
Golden Queen. Foliage and flowers golden yellow.....	.60	.20	.05
King of Tom Thumbs. Dark green foliage; scarlet flowers.....	.60	.20	.05
King Theodore. Dark foliage; flowers crimson maroon.....	.60	.20	.05
Lady Bird. Rich orange yellow, with a red blotch at the base of the petals.....	.60	.20	.05
Pearl. Creamy white.....	.60	.20	.05
Pink. Soft rose color.....	.60	.20	.05
Prince Henry. Cream, spotted and tipped red.....	.60	.20	.05
Queen of Tom Thumbs, Crimson. Silver variegated foliage and rich, bright crimson flowers.....	.60	.20	.10
Scarlet. Brilliant.....	.60	.20	.05
Spotted. Rich yellow, spotted crimson.....	.60	.20	.05
Vesuvius. Salmon pink; dark leaved.....	.60	.20	.05
Yellow. Bright shade.....	.60	.20	.05

Collection. One packet each 12 dwarf varieties 50c.

	¼ lb.	Oz.	Pkt.
Choice Mixed, Dwarf. Comprising a large variety of brilliant colors. Lb., \$1.50.....	\$0.50	\$0.20	\$0.05
Golden Foliage, Mixed. The golden yellow foliage and the flowers of many colors make a beautiful contrast.....	.60	.20	.10
Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed and of a remarkable range of colors.....	.60	.20	.10
Liliput Mixed. A fine variety of very dwarf and compact growth, and producing in the greatest profusion flowers of many new and beautiful colors.....	.75	.20	.05
Michell's Giant Flowering Mixed Dwarf. This is one of the finest mixtures, composed of the largest and best named varieties, and cannot be surpassed for brilliancy of color. Per lb., \$2.00.....	.60	.25	.10
Queen of Tom Thumbs, Mixed. Silver variegated foliage; flowers in a great variety of colors.....	.60	.20	.10

LOBB'S CLIMBING NASTURTIUMS
(*Tropaeolum Lobbianum*)

These are exceedingly free flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets and rockeries; also for greenhouses or conservatory during the winter; 8 to 10 feet.

	¼ lb.	Oz.	Pkt.
Asa Gray. Yellowish white.....	\$0.60	\$0.20	\$0.05
Black Prince. Dark, velvety crimson.....	.60	.20	.05
Brilliant. Glowing scarlet flowers.....	.60	.20	.05
Golden Queen. Golden yellow.....	.60	.20	.05
Roi des Noirs. Dark garnet red.....	.60	.20	.05
Spitfire. Brilliant scarlet.....	.60	.20	.05
Choice Mixed. Lobb's varieties, all colors. Per lb., \$1.25.....	.50	.20	.05
Collection. One packet each of above 6 Lobb's varieties for 25c.....			

Ask for Cultural Leaflet No. 219, on the growing of Nasturtiums.



MICHELL'S GIANT FLOWERING NASTURTIUMS—Continued TALL OR CLIMBING

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 feet. $\frac{1}{4}$ lb. Oz. Pkt.

Chameleon. Produces different colored flowers on the same plant.	\$0.60	\$0.20	\$0.05
Crimson. Rich and velvety.	.60	.20	.05
Hemisphaericum. Orange-salmon and scarlet.	.60	.20	.05
Jupiter. Color, pure deep yellow, with crinkled petals; of immense size.	.60	.20	.05
King Theodore. Dark foliage; flowers crimson maroon.	.60	.20	.05
Orange. A deep shade.	.60	.20	.05
Pearl. Creamy white.	.60	.20	.05
Pink. Soft rose color.	.60	.20	.05
Prince Henry. Cream, spotted and tipped red.	.60	.20	.05
Scarlet. Very bright.	.60	.20	.05
Vesuvius. Salmon pink.	.60	.20	.05
Yellow.	.60	.20	.05
Choice Mixed, Tall or Climbing. Lb., \$1.25	.40	.15	.05
Hybrids of Mad. Gunther. A special strain; all shades and colors. Per lb., \$1.50.	.50	.20	.05
Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed.	.60	.20	.10
Michell's Giant Flowering Mixed Tall. This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. Per lb., \$1.75.	.50	.25	.10
Queen of Talls, Mixed. Silver variegated foliage, flowers of all colors.	.60	.20	.10
Collection. One packet each, 12 varieties, 50c.			

NEMESIA

Strumosa Suttoni. A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding; 18 inches. Large pkt. Pkt. \$0.50 \$0.15



NIEREMBERGIA Large Pkt. Pkt.
Frutescens. Half hardy perennial; excellent for greenhouse, baskets, vases or bedding out; flowers white, tinted with lilac; 1 foot. \$0.25 \$0.10



Nicotiana (Flowering Tobacco)

NICOTIANA (Flowering Tobacco)

Extremely showy annual plants, giving a continuous display of brilliant flowers through the summer and autumn; plants are of branching habit; 2 to 3 feet high. Large pkt. Pkt.

Affinis. Fragrant, tubular, pure white flowers.	\$0.20	\$0.10
Affinis Hybrida. Large, sweet-scented flowers; colors range through creamy white and rose tints to bright red and crimson in mixture.	.20	.10
Sanderae. An excellent variety, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant.	.20	.10

NIGELLA (Love in a Mist)

Lovely garden annuals, with finely cut green foliage, and curious looking flowers and seed pods.

Damascena. Blue and white mixed; double; 1 foot.	\$0.20	\$0.05
Miss Jekyll. A lovely variety, with long stems, and bearing a profusion of beautiful double flowers of a clear cornflower blue; excellent for cutting; 18 inches.	.20	.10

ORNAMENTAL GRASSES (See page 79)

PAPAVER (See Poppy)

PARIS DAISY (See Chrysanthemum)

PELARGONIUM (See Geranium)

PENNISSETUM (Ornamental Grass). See page 79

Testimonial

Rockland, Me.,
June 22, 1918.

Please find enclosed check for —, for which please send me the following seeds. The seeds I have got from you this year came up in fine shape. I have bought seeds for 35 years, and I will say your seeds are the best I ever bought.

Yours respectfully,
E. A. D.

MICHELL'S GIANT PANSIES



Michell's Giant Exhibition Pansy

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring.

PANSIES IN MIXTURES

	Large pkt.	Pkt.
Michell's Giant Exhibition. A blending of our own containing only the very choicest secured from the leading Pansy specialists; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz., \$10.00; \$3.00 per ¼ oz.; per ½ oz., \$1.75.....	\$0.65	\$0.25
Bugnot, Odier and Cassier. A superb mixture of giant blotched varieties..... ½ oz., \$1.00	.65	.25
Giant Trimardeau. Very large flowering; all colors, mixed..... ¼ oz., \$1.00	.40	.10
Mad. Perret. Early flowering; fragrant; especially rich in red shades..... ¼ oz., \$1.25	.65	.25
Masterpiece (Fried Pansy). Beautiful rich colors; petals curled or waved..... ½ oz., \$1.00	.65	.25
Odier or Blotched. Beautiful strain..... ¼ oz., \$1.25	.65	.15
Parisian Large Stained. Choicest colors..... ¼ oz., \$1.25	.65	.15
Triumph of the Giants Mixed. Immense flowers of great brilliancy and richness of colors, including many new and rare shades. Per oz., \$11.00; \$3.25 per ¼ oz.; per ½ oz., \$2.00.....	.75	.50
Finest English Mixed oz., \$2.25	.30	.10
Very Fine Mixed oz., \$1.75	.25	.05

Ask for Cultural Leaflet No. 209 on the Growing of Pansies.

PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing freely large spikes of handsome tubular flowers in almost every shade and color.

	Large pkt.	Pkt.
Sensation. Plants producing large spikes of gloxinia-like flowers of the most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection.....	\$0.40	\$0.15
New Hybrids, Mixed. Produces large spikes of handsome flowers; 3 feet.....	.40	.10

GIANT PANSIES (Separate Colors)

A strain secured from the leading pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

	¼ Oz.	Large Pkt.	Pkt.
Giant Prize, Azure Blue. Violet blue.....	\$1.50	\$0.50	\$0.15
Giant Prize, Black Blue. Dark velvety.....	1.50	.50	.15
Giant Prize, Emperor William. Ultramarine blue.....	1.50	.50	.15
Giant Prize, Hortensia Red. Scarlet.....	1.50	.50	.15
Giant Prize, King of the Blacks.	1.50	.50	.15
Giant Prize, Lord Beaconsfield. Violet.....	1.50	.50	.15
Giant Prize, Peacock. Upper petals blue, lower petals deep claret with white margin.....	1.50	.50	.15
Giant Prize, Snow Queen. Pure white.....	1.50	.50	.15
Giant Prize, Striped and Mottled.	1.50	.50	.15
Giant Prize, White, with dark eye.	1.50	.50	.15
Giant Prize, Pure Yellow.	1.50	.50	.15
Giant Prize, Yellow, with dark eye.	1.50	.50	.15

SPECIAL OFFER. We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

PANSIES (Regular Sorts in Separate Colors)

	Oz.	Large Pkt.	Pkt.
Belgian Striped. Showy.....	\$2.75	\$0.30	\$0.10
Emperor William. Ultramarine blue.....	2.75	.30	.10
Faust (King of the Blacks)	2.75	.30	.10
Gold Margined. Purple, golden edge.....	2.75	.30	.10
Havana Brown.	2.75	.30	.10
Lord Beaconsfield. Violet.....	2.75	.30	.10
Mahogany, Colored.	2.75	.30	.10
Silver Edged. Purple, silver edge.....	2.75	.30	.10
Snow Queen. Pure white.....	2.75	.30	.10
White, with dark eye.	2.75	.30	.10
Yellow Gem. Pure yellow.....	2.75	.30	.10
Yellow, with dark eye.	2.75	.30	.10

SPECIAL OFFER. We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.



Pentstemon, New Hybrids

MICHELL'S PETUNIAS

77

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage. Seeds must be carefully handled, as they are extremely fine, but the plants are of easiest culture. We call especial attention to our Large Flowering strains, which for size and brilliancy of coloring cannot be surpassed.

SINGLE FLOWERED PETUNIAS

	Large pkt.	Pkt.
California Giants. One of the largest varieties; bright and desirable colors; strong robust plants...	\$0.65	\$0.25
Dwarf Inimitable. Of dwarf, compact habit; profuse bloomer; flowers striped and blotched.....	.40	.10
Grandiflora Fringed. Each petal of these giant flowers is delicately fringed, thus giving the flower a distinct appearance; all colors, mixed.....	.65	.20
Monstrosus (Michell's). Extra large flowers, many of which are elegantly fringed; the colorings, markings, veinings, etc., are superb.....	.75	.25



Petunia, Rosy Morn

	Large pkt.	Pkt.
Rosy Morn. Dwarf, bushy plants, bearing in great profusion brilliant rose-colored flowers with a white throat; excellent for pot culture.....	\$0.40	\$0.15
Ruffled Giants. Immense size flowers, exquisitely ruffled and frilled at edges.....	.65	.25
Snowball. A fine, compact sort, producing a profusion of satiny white flowers.....	.40	.10
Star (Howard's). A beautiful variety; produces a profusion of crimson-maroon flowers, with a distinct five-pointed white star.....	.40	.15
Choice Mixed. Striped and blotched. ....oz., \$1.50	.30	.10
Fine Mixed. All colors.....oz., \$1.00	.20	.05
Imported Collection. Single fringed. 6 colors...	.75	

Ask for Cultural Leaflet No. 205 on the growing of Petunias.

PORTLAND PETUNIAS

A new strain of Petunias for veranda boxes, pot plants or for bedding. For illustration and full description see page 50.

	Large pkt.	Pkt.
Elks' Pride. Large size; deep royal purple.....	\$1.25	\$0.40
Irvington Beauty. Flowers fringed; peach blossom color, with white throat.....	1.25	.40
Pride of Portland. Large, deep rose pink fringed flowers.....	1.25	.40
Scarlet Beauty. Flowers fringed; color, shading from cherry red to deep maroon.....	1.25	.40
White Beauty. Pure white flowers with finely fringed edges.....	1.25	.40



Petunia, Grandiflora, Fringed

DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

	Large pkt.	Pkt.
Double Fringed White. Extra large, pure white, fringed flowers.....	\$0.75	\$0.50
Double Fringed Mixed. Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and of choicest colors. Per 500 seeds, \$1.50		.50



Giant Flowering, Double Petunia

*Phlox Drummondii, Grandiflora***PHLOX DRUMMONDII**

One of our finest hardy annuals, and should occupy a prominent place in every garden; it is easy to grow and unequalled for its profusion of bloom, which will continue until frost; for bedding or massing nothing can surpass them for their brilliancy and richness of color. They produce immense trusses of large brilliant flowers of numberless hues.

DWARF OR COMPACT VARIETIES

The plants grow very symmetrical, in neat little bushes, 6 to 8 inches high, and covered with flowers during the whole summer and fall. Excellent for bedding or edging.

	Large pkt.	Pkt.
Cecily, Mixed. Large flowering, dwarf compact variety, of many beautiful colors and shades.....	\$0.40	\$0.10
Fireball. Brilliant scarlet.....	.30	.10
Pink.....	.30	.10
Snowball. Pure white.....	.30	.10
Choice Mixed.....	1/4 oz., 60c.	.30 .10

GRANDIFLORA VARIETIES

An improved strain with large heads of bloom, as well as large individual flowers; 12 to 15 inches.

	Large pkt.	Pkt.
Alba. Pure white.....	\$0.30	\$0.10
Coccinea. Brilliant scarlet.....	.30	.10
Pink.....	.30	.10
Stellata Splendens. Scarlet with white eye.....	.30	.10
Choice Mixed. All colors.....	1/4 oz., \$1.25	.25 .10
Imported Collection. 12 varieties.....		.75

PHLOX DRUMMONDII, FINE MIXED

Flowers not so large as the grandiflora type, but equally as free-flowering and effective..... 1/4 oz., \$1.00 .20 .05

Ask for Cultural Leaflet No. 218 on the growing of Phlox Drummondii

HARDY PHLOX

Decussata. For a gorgeous show these are the most satisfactory of all perennials; plants 2 to 3 feet high; flowers in all bright colors; seed should be sown early in spring or as soon as gathered in the autumn; mixed colors..... 1/4 oz., 60c. .40 .10

For plants of Hardy Phlox, see page 111

PHYSOSTEGIA**(False Dragon Head)**

One of the most beautiful of our summer flowering perennial border plants; it forms dense bushes, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.

Virginica. Pink. Pkt., 10c.; 25c. per large pkt.

Virginica Alba. White. Pkt., 10c.; 30c. per large pkt.

PINKS (See Carnations and Dianthus)**Testimonial**

Calgary, Can.

In placing this order we would like to mention that for many years —

— have handled our annual spring seed requirements; but we have received such satisfaction from orders that we have received from you that we thought we would give you the order this year.

E. F. Co.

*Physostegia***PLATYCODON (Chinese Bell Flower)**

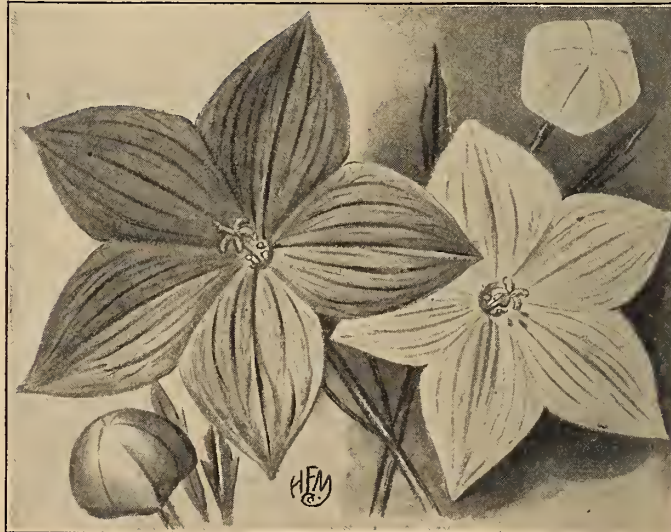
One of the best hardy perennials, bearing a profusion of large, bell-shaped flowers the whole season. Excellent for planting in borders or among shrubbery; 2 to 3 feet.

Grandiflorum Blue.....	\$0.30	\$0.10
Grandiflorum White.....	.30	.10
Japonicus Fl. Pl. (Double Japanese Bell Flower). Large glossy, deep blue flowers.....	.50	.15

POLYANTHUS (Primula Elatior)

Beautiful spring-flowering hardy perennials, either for pot culture or for the garden; succeeds best in partial shade; 9 inches.

	Large pkt.	Pkt.
Gold Laced. Flowers of brilliant colors, with distinct yellow edge.....	\$0.50	\$0.15
Double Mixed. Beautiful colors.....	.65	.15
English Mixed. All colors.....	.30	.10

*Platycodon Grandiflorum*



One of our favorite and most popular flowers, producing, during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown as early in the spring as possible, where they are to remain, as they do not stand transplanting. Sow very thinly and barely cover the seed, press down firmly and they will come up in a few days. Several sowings may be made at intervals to have a succession of bloom.

SINGLE ANNUAL POPPIES

	Oz.	Large Pkt.	Pkt.
Admiral. A single paeony-flowered variety with large flowers of pure white with broad band of scarlet at edge of each petal.	\$0.40	\$0.20	\$0.10
Danebrog. Flowers brilliant scarlet with a silvery-white spot on each petal, forming a white cross; 2 feet. ....	.40	.20	.10
King Edward. A large flowering variety, growing about 2½ feet high; deep scarlet, shaded crimson, with dark blotch at base. ....	.50	.20	.10
Michell's Shirley. An improved strain of this lovely race of poppies varying in color from pure white and delicate pink to rosy carmine and deep crimson, in mixture. A bed of these poppies produces a gorgeous effect. If cut in the bud state and the stems put in water the flowers will open as well as on the plant. ....	.40	.20	.05
Miss Sherwood. Satiny white with upper half of corolla chamois rose. ....	.40	.20	.10
Tulip (Paparer Glaucum). One of the most brilliant varieties; resembles a large tulip; color a dazzling scarlet; 1 foot. ....	.50	.20	.10
Umbrosum. Rich vermilion with a deep shining black spot on each petal; 2 feet. ....	.40	.20	.10
Collection. One packet each above 7 varieties			.50

FLANDERS POPPY

"In Flanders fields the poppies blow
Between the crosses row on row."

This is the well known poppy of flanders field so often mentioned in songs and stories of the great war. Medium size bright scarlet flowers. Very showy when planted in masses. Pkt., 10c.; 30c. per large pkt.; oz., 75c.

Testimonial

Yorktown Heights, N. Y.

Permit us again to add our praise to Michell's Pink Superb Aster; they bloom profusely and the flowers are immense, measuring from four to five inches in diameter, and of a beautiful shade of pink.

W. E. V.

DOUBLE ANNUAL POPPIES

	Oz.	Large Pkt.	Pkt.
Carnation Flowered. Flowers of large globular form with fringed petals; mixed colors; 2 feet.	\$0.25		\$0.10
Crimson King. A dwarf variety with perfectly round flowers. ....	.40	\$0.20	.10
Fairy Blush. Flowers white, elegantly fringed and tipped with rose; 2 feet. ....	.40	.20	.10
Mikado (Striped Japanese). Double fringed flowers, white fringed and tipped with rose; 18 inches. ....	.40	.20	.10
Paeony Flowered Scarlet. Large double flowers resembling a Paeony; 2 feet. ....	.40	.20	.10
Paeony Flowered White. ....	.40	.20	.10
Paeony Flowered Yellow. Very fine. ....	.40	.20	.10
Paeony Flowered Mixed. ....	.25		.05
Improved Shirley, May Queen. A re-selected strain; large double flowers; mixed colors. ....		.25	.10
Collection, one packet each, 6 colors, 50c.			

PERENNIAL POPPIES

For permanent beds these brilliant hardy poppies stand unrivaled; for general effectiveness and brilliancy of display.

	Large pkt.	Pkt.
Giant Scarlet (Bracteatum). Large flowers; 3 feet.	\$0.20	\$0.10
Iceland (Nudicaule). White. While these are hardy perennials, they flower the first year from spring sown seed. They are of graceful habit with fern-like foliage; the satin-like flowers are borne in endless profusion and are excellent for cutting; 12 inches	.30	.10
Iceland Yellow. ....	.30	.10
Iceland Single Mixed. Colors range from white and yellow to deep orange scarlet (¼ oz., 40c.) ....	.20	.10
Orientele. Extra large flowers; deep scarlet (oz., 75c.) ....	.20	.10
Orientele, Mrs. Perry. Rich salmon pink. ....	.50	.10
Orientele, Hybrids. Flowers of large size; mixed colors (¼ oz., 50c.) ....	.30	.10

Testimonial

Worcester, Mass.

The Monstrosus Petunias which I purchased from you were the best I ever grew, especially for pot culture.

Yours truly,

A. W. H.



Portulaca, Single and Double

PORTULACA (Sun Plant)

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

		Large pkt.	Pkt.
Double Mixed. All colors	1/4 oz., 75c.	\$0.40	\$0.10
Single Mixed. All colors	1/4 oz., 75c.	.20	.05
Imported Collection. 6 Double varieties			.50
Imported Collection. 8 Single varieties			.30

PRIMULA**FRINGED CHINESE PRIMROSE**

These are among our finest winter and spring blooming pot plants for decorations in the home or conservatory. Our seed has been grown for us by a Primula Specialist, and cannot be excelled for size and brilliancy of colors. Our strains have won many first prizes.

		Large pkt.	Pkt.
Alba Magnifica. Large pure white flowers		\$0.75	\$0.40
Chiswick Red. Brilliant red		.75	.40
Duchess. Large; white with zone of rosy carmine, yellow eye		.75	.40
Holborn Blue. A beautiful shade		.75	.40
Kermesina Splendens. Crimson		.75	.40
Rosy Morn. Delicate pink		.75	.40
Stellata (Sutton's). Excellent pot plant; mixed			1.00
Michell's Prize Mixture. This mixture contains only the finest sorts selected from the best strains		.75	.25
Imported Collection. 8 varieties			.75

PRIMULA OBCONICA

Elegant plants for greenhouse or light window of dwelling house, flowering profusely.

		Large pkt.	Pkt.
Gigantea Alba. White		\$0.65	\$0.20
" Kermesina. Crimson		.65	.20
" Lilacina. Pale lilac		.65	.20
" Rosea. Pink		.65	.20
" Hybrida. Mixed		.65	.20
" Monster. An extra large flowering strain of this popular Primula			
" Apple Blossom. Soft pink	1.25	.40	
" Kermesina. Deep crimson	1.25	.40	
" Plathii. Brilliant deep rose	1.25	.40	
" Rosea. Pink	1.25	.40	

PRIMULA — Continued**PRIMULA OBCONICA GRANDIFLORA**

		Large pkt.	Pkt.
Fimbriata. Flowers fringed; mixed colors		\$0.65	\$0.15
Vesuvius. Deep crimson		.65	.25

Ask for Cultural Leaflet No. 206 on the growing of Primulas.

VARIOUS SORTS

Kewensis (<i>Verbena Scented Yellow Primrose</i>). Spikes each 12 to 18 inches long; color, soft yellow; very fragrant		\$0.65	\$0.25
Malacoides. Resembles Primula Forbesi, but the flowers are much larger; if grown in a greenhouse it will bloom in four to five months after sowing and continue for a long time; color, a pretty light lilac		.65	.20
Malacoides Alba. Flowers pure white		.65	.20
Malacoides Alba Plena. A new variety with double white flowers			.75
Malacoides Superba. Deep rosy pink; large			.25

HARDY PRIMROSES

Excellent early spring blooming plants; hardy, though in very cold localities they should have slight protection. Large pkt. Pkt.

Veris (<i>English Cowslip</i>). Fragrant; flowers of various colors; 6 inches; mixed		\$0.30	\$0.10
Vulgaris (<i>English Primrose</i>). The common hardy English variety; canary yellow		.50	.10

PUERARIA THUNBERGIANA**(Kudzu Vine)**

One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms toward the end of August

.20 .10



Michell's Prize Chinese Primula



Pyrethrum, Double

PYRETHRUM FOLIAGE SORTS

Foliage plants used for edging of ornamental beds; leaves are finely cut. Large pkt. Pkt.
Aureum (*Golden Feather*). Bright golden yellow foliage; 8 inches. .50c. \$0.20 \$0.10

FLOWERING SORTS

Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting. Large pkt. Pkt.
Roseum. Flowers bright rose color; July; 2 feet. \$0.50 \$0.10
Uliginosum (*Giant White Daisy*). Large, single white flowers; September; 3 to 4 feet. .50 .10
Hybridum Single Mixed. Large flowers ranging in color from light pink to deep red, with bright yellow centres; July; 2 feet. .40 .10
Hybridum Double Mixed. .65 .25

RESEDA (See Mignonette)

RHODANTHE (Everlasting Flower) (See page 69)

RICINUS (Castor Oil Bean)

These ornamental plants are used with great effect on lawns, as centrepieces in flowering beds such as cannas, etc. Oz. Pkt.
Borboniensis. Beautiful green foliage; 15 feet. \$0.25 \$0.05
Cambodgensis. Large leaves, dark bronzy-maroon; stalk and stems nearly black; 5 feet. .25 .05
Gibsoni. Deep red foliage; 5 feet. .25 .05
Michell's Giant. Of immense size; dark brown leaves; blue-powdered stems. .30 .10
Sanguineus. Blood-red stalks and clusters of red fruit; 8 feet. .25 .05
Zanzibariensis. Enormous leaves, varying in color from light green to purplish red; 12 feet. .25 .05
Mixed. All sorts. .20 .05

RUDBECKIA (Coneflower)

Large pkt. Pkt.
Bicolor Superba. A free-flowering annual; produces a profusion of yellow flowers with brown disc in centre; 2 feet. \$0.20 \$0.10
Newmani. Large yellow flowers with black centre; perennial; very showy; 3 feet. .40 .10
Purpurea (*Giant Purple Coneflower*). Hardy perennial; large, showy, reddish purple flowers, with dark brown disc; 3 feet. .30 .10



Salpiglossis

SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants which have become great favorites, not only because of its easy culture, but mainly for its beautifully tinted and veined flowers; blooms from early summer until late fall; 18 inches. Large pkt. Pkt.

Crimson and Gold	\$0.40	\$0.10
Primrose.....	.40	.10
Purple and Gold.....	.40	.10
Rose and Gold.....	.40	.10
Scarlet and Gold.....	.40	.10
White and Gold.....	.40	.10
Choice Mixed . All colors.....	.25	.05
Collection . One packet each above, 6 varieties.....		.50
Emperor Mixed . A new type, having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold.....	.30	.10

MICHELL'S CULTURAL LEAFLETS

We have prepared the following Cultural Leaflets, giving instructions how to grow the varieties named successfully from seed. These leaflets are free.

201. Antirrhinum .	208. Zinnia .	215. Cyclamen .
202. Aster .	209. Pansy .	216. Larkspur
203. Cineraria .	210. Salvia .	(Annual).
204. Mignonette .	211. Stock .	217. Lupinus .
205. Petunia .	212. Perennials .	218. Phlox Drum .
206. Primula .	213. Carnation .	219. Nasturtium .
207. Verbena .	214. Cosmos .	220. Begonia .



Ricinus (Castor Oil Plant)

*Salvia, Bonfire***SALVIA (Scarlet Sage)**

The Salvia is among our most popular and useful bedding plants. There is nothing more effective in the mid-summer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April. Seed may also be sown in the open ground in May.

Large pkt. Pkt.

America or Globe of Fire. Of dwarf, bushy, compact growth, and very uniform in height and shape.

A free and continuous bloomer; produces large spikes of brilliant scarlet flowers. . . . 1/4 oz., \$1.75 \$0.65 \$0.25

Bonfire (Clara Bedman). Compact bushy plants, 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers. . . . 1/4 oz., \$1.00 .30 .10

Patens. Bright blue flowers of large size; excellent for the border or greenhouse; height, 2 feet.40 .15

Splendens. The old favorite bedding variety; tall growing plants with bright scarlet flowers; height, 3 feet.1/4 oz., 60c. .30 .10

Zurich. One of the earliest flowering of all salvias; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost; for bedding it is very effective, either planted alone or as a front row for the taller varieties; 18 inches.1/8 oz., 75c. .40 .15

Azurea Grandiflora. A hardy perennial variety producing during August and September spikes of pretty sky-blue flowers; 2 feet.40 .10

Farinacea. A perennial variety, but best treated as an annual, blooming from July to frost from spring sown seed; color, light-blue; 2 feet.30 .10

Ask for Cultural Leaflet No. 210 on the growing of Salvia.

SCARLET RUNNER. See Bean
SENSITIVE PLANT (Mimosa)

Large pkt. Pkt.

Pudica. Curious and interesting annual plants with pinkish white flowers; the leaves close or droop when touched or shaken; 18 inches. \$0.20 \$0.10

SHAMROCK

Dainty little house plants, easily grown from seed.

True Irish. Small leaved variety. \$0.25 \$0.10

SHASTA DAISY. See Chrysanthemum*Scabiosa, Grandiflora***SCABIOSA (Mourning Bride)**

Magnificent hardy annuals of easy cultivation, blooming freely through the summer and autumn. They are very decorative for beds or borders in the garden and are invaluable for cutting.

GRANDIFLORA VARIETIES (Annuals)

Flowers large and very showy, on stalks fully 2 feet high.

Large pkt. Pkt.

Azure Fairy. Clear lavender blue. \$0.20 \$0.10

Cherry Red.20 .10

Crimson. Rich shade.20 .10

Flesh Pink. Delicate shade.20 .10

King of Blacks. Deep purple.20 .10

Pompadour. Deep purple, edged with white.20 .10

Rose. Soft rose color.20 .10

White.20 .10

Collection. One packet each 6 colors.50

Finest Mixed. oz., 60c. .20 .05

Dwarf Double Mixed. Plants grow but 12 inches high; all colors. oz., 60c. .20 .05

HARDY PERENNIAL VARIETIES

Handsome perennial border plants flowering the entire season

Large pkt. Pkt.

Caucasica. Soft blue; 3 feet. \$0.50 \$0.10

Caucasica Alba. Pure white.50 .10

Japonica. Lavender blue.20 .10

SCHIZANTHUS. See next page**SMILAX**

A greenhouse climber of great value for floral decorations; foliage light green; very graceful; seed should be soaked 24 hours in warm water before sowing; 10 feet. oz., 50c. .20 .10

SNAPDRAGON. See Antirrhinum
SOLANUM

Ornamental pot plants for winter decoration; of dwarf branching habit; dark green foliage; bears a profusion of bright berries; 1 foot. Large pkt. Pkt.

Capsicastrum (Jerusalem Cherry). Bright scarlet globular berries; 1 foot. oz., 50c. \$0.20 \$0.10

Cleveland Cherry. A grand acquisition to this class of plants; grows more compact than the above and produces the scarlet berries in greater profusion .75 .25

MICHELL'S "DISTINCTIVE" STOCKS

83

The stock is one of the most popular and highly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

Large pkt. Pkt.		Large pkt. Pkt.	
Blood Red.....	\$0.40 \$0.15	Rose Pink.....	\$0.40 \$0.15
Dark Blue.....	.40 .15	White.....	.40 .15
Flesh Pink.....	.40 .15	Mixed.....	.40 .15
Light Blue.....	.40 .15		

MICHELL'S EARLY FLOWERING "NICE" STOCK

An early flowering strain of branching habit; remarkably free bloomer, large, double fragrant flowers; fine for garden bedding or cutting; especially desirable for use as a pot plant. For winter blooming, sow from July to September.

Large pkt. Pkt.	
Abundance. Dwarf, spreading habit; carmine-rose..	\$0.40 \$0.15
Beauty of Nice. Charming delicate pink.....	.40 .15
Crimson King. Deep red.....	.40 .15
La Brillante. Rich brilliant crimson.....	.40 .15
Midsummer Night. Deep, dark violet.....	.40 .15
Monte Carlo. Canary yellow.....	.40 .15
Mont Blanc. Pure white.....	.40 .15
Queen Alexandra. Delicate lavender.....	.40 .15
Choice Mixed. All colors.....	.40 .15

LARGE FLOWERED DWARF TEN-WEEK STOCK

This is the leading variety for bedding out, for summer blooming; also fine for pots.

Large pkt. Pkt.		Large pkt. Pkt.	
Blood Red.....	\$0.30 \$0.10	Purple.....	\$0.30 \$0.10
Crimson.....	.30 .10	White.....	.30 .10
Light Blue.....	.30 .10	Yellow.....	.30 .10
Pink.....	.30 .10	Mixed.....	.30 .10

VARIOUS STOCKS

Large pkt. Pkt.	
Brompton or Winter. Fine for forcing under glass or early summer flowering outdoors; mixed.....	\$0.40 \$0.10
Mammoth Ten Week, Snowdrift (New). Snow white. For full description, see page 51.....	.50
Princess Alice (Cut-and-Come-Again). Branching plants with double pure white flowers; fine for cutting.....	.40 .10
Virginian Mixed. Free flowering annual. ..oz., 40c.	.20 .05

Ask for Cultural Leaflet No. 211 on the growing of Stocks.



Stock, Michell's Flower Market

Testimonial

Abilene, Kan.,
Our memorial crop of Stocks (seed purchased from your firm) were as fine as any we have ever seen.
M. B.



Schizanthus, Wisetonensis

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals; of easy culture in any good garden soil and bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

Large pkt. Pkt.	
Hybridus Grandiflorus. Forms compact pyramidal plants covered with flowers of many shades of orchid-like appearance; 12 inches.....	\$0.20 \$0.10
Pink Beauty. A beautiful shade of rose pink; a pure self without any markings; very effective as pot plants for grouping.....	.50
Wisetonensis. A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre; 1½ feet.....	.40 .20
Mixed. Various colors.....	.20 .05

STATICE (Sea Lavender)

Latifolia. Splendid hardy perennial plants, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used for winter bouquets. Large deep-blue flowers; 1 foot...	.30 .10
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STEVIA

Serrata. Free blooming plants for summer or winter; bearing a profusion of fragrant white flowers; excellent for cutting; 2 feet.....	.30 .10
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STIPA (Ornamental Grass) (See page 69)

STOKESIA (See page 86)

SUNFLOWER (See page 86)

MICHELL'S SPENCER OR ORCHID SWEET PEAS

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. They are distinguished from the Grandiflora sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem. The plants are of robust growth and bear the flowers on long stems.



Spencer or Orchid Sweet Peas

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

BLUE AND PURPLE

	Pkt.	½ Oz.	Oz.	¼ lb.
Captain of the Blues Spencer. Standard purple; wings blue	\$0.10	\$0.35	\$0.60	
Royal Purple. Rich purple, one of the finest varieties	.10	.30	.50	\$1.
Wedgwood. A lovely self-blue; a beautiful and popular color	.10	.35	.60	

DEEP PINK OR ROSE

Apple Blossom Spencer. Standard light rose; wings primrose flushed rose	.10	.30	.50	1.
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LAVENDER

Asta Ohn Spencer. Rich lavender; one of the best; flowers large	.10	.30	.50	1.
Flora Norton Spencer. Beautiful azure, or pale blue	.10	.35	.60	
Florence Nightingale. One of the largest and best lavenders	.10	.30	.50	1.

LIGHT PINK

Blanche Ferry Spencer. Large flowers; pink and white	.10	.30	.50	1.
Countess Spencer. A lovely clear pink, shading deeper at the edge	.10	.30	.50	1.
Florence Morse Spencer. Delicate blush, with deeper pink margin	.10	.30	.50	1.
Henrietta. Light rose pink on a cream ground	.10	.30	.50	1.
Hercules. Giant pure pink	.10	.30	.50	1.

MAROON

King Manoel. Rich maroon or deep chocolate color	.10	.35	.60	
Othello Spencer. Deep maroon	.10	.35	.60	

ORANGE AND SALMON

Helen Lewis. Orange pink; wings orange salmon	.10	.35	.60	
Illuminator. Rich salmon pink	.10	.30	.50	1.
Margaret Atlee. Light salmon pink on cream ground	.10	.30	.50	1.
Mrs. Hugh Dickson. Salmon pink on cream ground	.10	.30	.50	1.

PRIMROSE OR LIGHT YELLOW

Primrose Spencer. Light primrose yellow	.10	.30	.50	1.
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SCARLET

Fiery Cross. Large; intense orange scarlet	.10	.35	.60	
King Edward Spencer. Rich, crimson scarlet; large	.10	.35	.60	
Vermilion Brilliant. Intense scarlet	.10	.35	.60	

STRIPED AND FLAKED

Helen Pierce Spencer. White mottled light blue	.10	.35	.60	
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WHITE

Constance Hinton. One of the largest varieties; flowers white; black seeded	.10	.35	.60	
King White. Gigantic flowers; pure white	.10	.35	.60	
Nora Unwin. Large pure white	.10	.35	.60	
White Spencer. Pure white and of large size	.10	.35	.60	

MICHELL'S SUPERB SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proper proportion of bright colors and including a number of new hybrids of exquisite colors and shades. Per pkt., 10c.; 25c. per oz.; ¼ lb., 75c. \$2.50 per lb.

COLLECTION OF SPENCER OR ORCHID SWEET PEAS

One pkt. each 12 named varieties our selection, \$1.00.

MICHELL'S SWEET PEAS

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GRANDIFLORA VARIETIES

On account of the increased demand for the Spencer or Orchid flowered varieties we have reduced our list of Grandifloras to a few of the very best sorts.

	Oz.	¼ Lb.	Lb.
Blanche Ferry. Pink and white.....	\$0.20	\$0.60	\$2.00
Dorothy Eckford. Large white.....	.20	.60	2.00
Flora Norton. Delicate lavender.....	.20	.60	2.00
Hon. Mrs. E. Kenyon. Primrose yellow....	.20	.60	2.00
King Edward VII. Crimson scarlet.....	.20	.60	2.00
Lady Grisel Hamilton. Pale lavender.....	.20	.60	2.00
Lord Nelson. Rich navy blue.....	.20	.60	2.00
Lovely. Soft shell pink.....	.20	.60	2.00
Miss Willmott. Deep orange pink.....	.20	.60	2.00
Othello. Dark maroon.....	.20	.60	2.00
Prima Donna. Lovely soft pink.....	.20	.60	2.00

Price, any of the above varieties, 10c. per packet.

MICHELL'S GILT EDGE MIXTURE

This mixture contains the Grandiflora or large flowering varieties, and represents almost every color and shade in Sweet Peas.

Price: 10c. per pkt.; per oz., 20c.; 60c. per ¼ lb.; per lb., \$2.00.

EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

While the following varieties are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer or Orchid flowered type.

	Pkt.	Oz.
Asta Ohn. Rich lavender.....	\$0.15	\$1.25
Blue Bird. A charming shade of blue.....	.15	1.50
Cherry Ripe. Cherry or salmon cerise.....	.15	1.50
Daybreak. Rose pink on cream ground.....	.15	1.25
Enchantress. Bright rose pink.....	.15	1.25
Fire King. Deep orange scarlet.....	.15	1.50
Heatherbell. Mauve lavender.....	.15	1.25
Helen Lewis. Orange pink.....	.15	1.25
Hercules. Soft rose pink.....	.15	1.25
Illumination. Glowing salmon cerise.....	.15	1.50
Lavender King. Rich, deep lavender.....	.15	1.25
Lavender Pink.....	.15	1.25
Liberty. Deep sunproof crimson.....	.15	1.25
Mauve Beauty. Rosy mauve.....	.15	1.25
Meadow Lark. Rich cream.....	.15	1.25
Melody. Rose pink on white ground.....	.15	1.25
Morning Star. Deep orange scarlet in standard, with rich, orange-pink wings.....	.15	1.25
Mrs. A. A. Skaach. Clear, light pink.....	.15	1.25
Mrs. M. Spanolin. Pure white.....	.15	1.25
Mrs. William Sim. Salmon pink.....	.15	1.25
Pink and White.....	.15	1.25
Pink Beauty. Rose pink on white ground.....	.15	1.50
Primrose Beauty. Deep primrose, flushed rose.....	.15	1.25
Red Orchid. Bright cherry red.....	.15	1.25
Rose Queen. Flowers are borne freely on long stems, are of large size, and usually four flowers are produced on a stem. Color a most attractive shade of pink.....	¼ oz., \$1.25	.50 4.00
Sankey. Large white; black seeded.....	.15	1.25
Snow Flake. Large pure white.....	.15	1.25
Snowstorm. White; extra large.....	.15	1.50
Song Bird. Pale pink on white ground.....	.15	1.25
Songster. Rich lavender.....	.15	1.25
Spring Maid. Light pink on white ground.....	.15	1.25
Venus. White, blushed pink.....	.15	1.25
Warbler. Rich, mauve purple.....	.15	1.25
White Orchid. Pure white.....	.15	1.25
Yarrowa. Flowers exquisitely waved, and of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings.....	.15	1.25
Zephyr. Pale blue or lavender.....	.15	1.25
Mixed Colors. Winter Flowering Spencer.....	.10	1.00

Testimonial

Greensboro, N. C.

I grew two acres of Sweet Peas from seed purchased from you and they were the finest in North Carolina.

T. O'C.



Winter Flowering Spencer or Orchid Sweet Pea

WINTER FLOWERING GRANDIFLORA

	Pkt.	Oz.	¼ Lb.
Christmas Pink. Pink and white.....	\$0.10	\$0.30	\$0.85
Christmas White (Florence Denzer).....	.10	.30	.85
Earliest of All. Pink and white.....	.10	.30	.85
Lavender Nora. A large flowering variety of the Unwin type.....	.15	.50	1.50
Le Marquis. Large dark blue.....	.10	.30	.85
Michell's Snowdrift. Pure white; black seeded; extra early.....	.10	.30	.85
Mont Blanc. Pure white.....	.10	.30	.85
Mrs. Alex. Wallace. Lavender.....	.10	.30	.85
Mrs. F. J. Delansky. Daybreak pink.....	.10	.30	.85
Mixed. Winter flowering grandiflora.....	.10	.20	.75

For Sweet Peas especially adapted for outdoor planting, see page 84

NITROGEN-GATHERING BACTERIA

An ideal preparation for treating Sweet Pea Seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period.

Mulford Culture. Trial size, 35c.

Standard Inoculating. Trial size, 25c.

Testimonial

Wilmington, Del.

Enclosed find money order for which please send me Spencer Sweet Peas assorted. I purchased this variety last year and they turned out to be the best and largest Sweet Peas I ever grew.

G. R. McD.

(oh)

**STOKESIA (Cornflower or Stokes' Aster)**

Plants grow about 18 to 24 inches high, bearing freely from July to October handsome Centaurea-like blossoms, each measuring from 4 to 5 inches across; is of easy culture, and one of the most desirable plants for the hardy border; excellent for cutting.

Cyanea. Lavender blue.....	Large pkt. Pkt.	
Cyanea Alba. Pure white.....	\$0.30	\$0.10
	.30	.10

STRAWFLOWER (Helichrysum)

See Everlastings, page 67

SUNFLOWER (Helianthus)

Well known hardy annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

SMALL FLOWERED SORTS

Cucumerifolius (<i>Miniature Sunflower</i>). Single yellow; 4 feet.....	oz., 50c.	Large pkt. Pkt.	
Cut-and-Come-Again. Single yellow flowers, with twisted petals.....	.30	\$0.20	\$0.10
Dazzler (<i>New</i>). Plants branch freely; flowers large; color, rich chestnut, tipped orange, with darker centre; 3 to 4 feet.....			.40
Stella. Large, single yellow flowers with black centre.....	oz., 50c.	.20	.10

LARGE FLOWERED SORTS

Chrysanthemum Flowered. Large double golden yellow flowers, resembling Chrysanthemums; 7 feet.....	oz., 40c.	.20	.10
Double Globe (<i>Globosus Fistulosus</i>). Large double yellow flowers; height 6 feet.....	oz., 35c.	.20	.05
Dwarf Double (<i>Globe of Gold</i>). Yellow flowers; 3 feet.....	oz., 35c.	.20	.05
New Red. Extra large flowers, some of which are rich chestnut red; others tipped with yellow.....		.25	.10
Oscar Wilde. Single yellow, black centre; 6 feet.....	oz., 40c.	.20	.10
Russian Mammoth. Immense single yellow flowers on tall heavy stalks; 6 feet.....	oz., 10c.		.05

PERENNIAL SORTS

Showy garden flowers blooming the whole summer.

Choice Mixed. Single flowering, hardy perennial sorts; will bloom the first year if sown early. Large pkt., 40c.; pkt., 10c.



Single Sweet William



Sunflower, Stella

SWEET ROCKET (Hesperis)

A desirable hardy plant; excellent for naturalizing among shrubbery or for planting in a permanent border.

Mixed. Fragrant white and purple flowers; perennial; 2 to 3 feet.....	oz., 50c.	Large pkt. Pkt.	
		\$0.20	\$0.05

SWEET SULTAN (Centaurea Moschata)

Hardy annual; fragrant flowers, resembling "Bachelor's Buttons." Large pkt. Pkt.

Mixed Colors.....	oz., 75c.	\$0.20	\$0.05
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SWEET WILLIAM (Dianthus Barbatus)

This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

Auricula Flowered. A beautiful class of "eyed" single varieties, all colors mixed.....	\$0.90	Oz. Large pkt. Pkt.	\$0.20	\$0.10
Single Crimson.....	.90		.20	.10
"Pink Beauty. An exceedingly pretty variety with beautiful salmon pink flowers.....			.40	.15
"Scarlet Beauty. Rich deep scarlet variety.....			.40	.15
"Velvety Maroon.....	.75		.20	.10
"White.....	.75		.20	.10
"Mixed. All colors.....	.60		.20	.05
Double Mixed.....	1.00		.20	.10

THUNBERGIA (Black-Eyed Susan)

Rapid growing annual climbers, making a pretty vine for trellises, fences, rockwork, etc.; also for window boxes, hanging baskets and vases; produces a profusion of pretty flowers.

Mixed. All colors.....	oz., 90c.	Large pkt. Pkt.	\$0.20	\$0.10
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TORENIA

Showy bedding plants, flowering profusely all summer; also fine for pots and baskets; height, 12 inches.

Fournieri Grandiflora. Sky-blue flowers, with dark blue spots and yellow throat.....		Large pkt. Pkt.	\$0.50	\$0.10
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Michell's Mammoth Fancy Verbenas

VERBENA

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades.

	Oz.	Large pkt.	Pkt.
Michell's Mammoth Fancy Blue	\$2.25	\$0.40	\$0.10
" " " Pink	2.25	.40	.10
" " " Scarlet	2.25	.40	.10
" " " Striped	2.25	.40	.10
" " " White	2.25	.40	.10
" " " Mixed	1.75	.40	.10

Collection. One packet each of above 5 colors .40

Fine Mixed. All colors 1.00 .25 .05

Giant Flowered Mixed. A new variety of large size; flowers have extra large white eyes, making them very attractive.65 .15

Mammoth "Lucifer." A new variety of large size; color an intense deep cardinal scarlet throughout.50 .15

Grandiflora Mammoth, Rose Queen. Flowers of a lovely delicate rose; very large, and a profuse bloomer; very early flowering. For illustration, see page 51.40

Grandiflora Mammoth, Scarlet Queen. Large flowering; color, a vivid scarlet, with a large and distinct white eye.40

Grandiflora Mammoth, Snow Queen. Pure snowy white; very large; profuse flowering.40

Lemon Scented (*Aloysia Citriodora*). An old favorite plant with delightful lemon-scented foliage; excellent for growing in the garden in summer and in pots in winter.50 .10

Ask for Cultural Leaflet No. 207 on the growing of Verbenas.

VALERIANA (Garden Heliotrope)

Hardy perennial border plants; large fragrant flowers; the odor resembling that of the heliotrope; 2 to 3 feet.

	Large pkt.	Pkt.
Mixed Colors	\$0.20	\$0.10

VERONICA (Speedwell)

An elegant hardy perennial plant of easy culture and free-flowering habit; of value as a cut flower or for garden effect. Plants grow bushy and produce long spikes of flowers.

	Large pkt.	Pkt.
Spicata. Long spikes of bright blue flowers, 18 inches.	\$0.30	\$0.10

VINCA (Madagascar Periwinkle)

Dwarf bedding plants, easily raised from seed; deep green glossy foliage and bright single blossoms of striking beauty; also suitable for pot plants; sow early.

	Large pkt.	Pkt.
Alba. White with rose eye	\$0.20	\$0.10
Alba Pura. Pure white	.20	.10
Rosea. Rose with dark eye	.20	.10
Mixed	oz., 90c.	.20 .10

VIOLA CORNUTA (Tufted Pansies)

These resemble pansies in shape and form, with the additional quality that they are of long stems, and appear uninterruptedly from early spring till snow flies.

	Large pkt.	Pkt.
Admiration. Dark blue	\$0.50	\$0.10
Mauve Queen. Lovely mauve color	.50	.10
Perfection. Light blue	.50	.10
White Perfection. Large white	.50	.10
Mixed. All colors	.40	.10

VIOLA (Scotch Bedding Pansies)

These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the Viola Cornuta.

	Large pkt.	Pkt.
Golden Gem. Yellow	\$0.50	\$0.15
Lutea Splendens. Rich golden yellow	.40	.10
Snowflake. Pure white	.50	.15
Mixed. From the best named Scotch varieties	.65	.25

VIOLET Sweet Scented (*Viola Odorata*)

Single Blue Czar. Dark blue	.50	.10
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Viola Cornuta



Wallflowers, Single and Double

WALLFLOWER

Half-hardy perennials of delicious fragrance. They should be protected in a cold frame in the winter and planted out in the spring; 2 feet.

	Large pkt.	Pkt.
Double Brown.....	\$0.50	\$0.10
“ Yellow.....	.50	.10
“ Mixed. All colors.....	.50	.10
Single Mixed.....	oz., 40c.	.20
Imported Collection. 6 double varieties.....		.50
Imported Collection. 6 single varieties.....		.40
Paris Extra Early. A single-flowering variety, which may be treated as an annual, flowering the first year from seed; 1½ feet.	Large pkt.	Pkt.
Paris Extra Early Blood Red.....	\$0.20	\$0.10
Paris Extra Early Yellow.....	.20	.10
Paris Extra Early Mixed. All colors.....	oz., 60c.	.20

MICHELL'S DISTINCTIVE ZINNIAS

(Youth and Old Age)

One of the most popular of our hardy annuals, for beds, mixed borders and for cutting purposes; easy to grow, in any good garden soil. They commence flowering early in the summer and continue until frost.

DWARF DOUBLE ZINNIAS

Compact bushes not over two feet in height, large double flowers.

	Oz.	Large pkt.	Pkt.
Crimson.....	\$0.75	\$0.20	\$0.10
Pink.....	.75	.20	.10
Salmon Rose.....	.75	.20	.10
Scarlet.....	.75	.20	.10
White.....	.75	.20	.10
Yellow.....	.75	.20	.10
Mixed.....	.50	.20	.05
Collection, one packet each above 6 colors.....			.40

ROBUSTA OR GIANT DOUBLE ZINNIAS

Plants grow to a height of 2½ to 3 feet with immense perfectly double flowers; splendid for cutting or garden effect.

	Oz.	Large pkt.	Pkt.
Crimson.....	\$1.50	\$0.40	\$0.15
Flesh Color.....	1.50	.40	.15
Golden Yellow.....	1.50	.40	.15
Purple.....	1.50	.40	.15
Scarlet.....	1.50	.40	.15
Sulphur Yellow.....	1.50	.40	.15
Violet.....	1.50	.40	.15
White.....	1.50	.40	.15
Mixed.....	1.25	.25	.10
Collection, one packet each above 8 colors.....			1.00

TALL DOUBLE ZINNIAS

Flowers of good size; height, 2½ feet.

	Oz.	Large pkt.	Pkt.
Crimson.....	\$0.75	\$0.20	\$0.10
Pink.....	.75	.20	.10
Orange.....	.75	.20	.10
Scarlet.....	.75	.20	.10
White.....	.75	.20	.10
Yellow.....	.75	.20	.10
Mixed.....	.50	.20	.05
Collection, one packet each above 6 colors.....			.40

VARIOUS ZINNIAS

	Oz.	Large pkt.	Pkt.
Curled and Crested. Large double flowers; petals twisted and curled; mixed colors; 1½ feet.....	\$0.75	\$0.20	\$0.10
Giant Buttercup. A very attractive variety; rich, deep buttercup yellow.....		.40	.15
Giant Dahlia Flowered. Extra large flowers of a true Dahlia flowering type; mixed colors.....		.50	.15
Giant Picotee, Golden Pheasant. A new variety; desirable for bedding or cutting; gold ground, each petal tipped with maroon.....		.65	.25
Giant Picotee, Mixed. Large double flowers, of many colors and shades.....		.65	.25
Giant Rose King. A new variety of the Robusta or Giant type; flowers double of immense size; color, a beautiful carmine rose.....			.40
Red Riding Hood. Plants compact; and covered the entire season with miniature double flowers; intense scarlet; 1 foot.....	1.00	.25	.10

Ask for Cultural Leaflet No. 208 on the growing of Zinnias.

XERANTHEMUM (Everlasting Flower)

See page 67

MIXED FLOWER SEEDS FOR WILD GARDEN

This mixture embraces a large number of varieties of easy-growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Price: Pkt., 5c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

PERENNIAL FLOWER GARDEN MIXTURE

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many hundred varieties of the choicest old-fashioned flowers. Pkt., 10c.; 40c. per oz.; per ¼ lb., \$1.25.



Zinnia, Giant Robusta

FLOWERS AND PLANTS FOR ROCK GARDENS 89

In the past few years Rock Gardens and Rockeries, although of ancient origin, have justly come in favor again. There are few gardens where something of this sort might not be constructed and made highly attractive, especially in locations where stones are plentiful. They may be used for hiding unsightly objects, or for giving variety to an otherwise flat and monotonous garden. Below we give a selection of plants, especially suited for this purpose.

Varieties marked S. can be furnished in seeds only; marked P., plants only; marked S. P. either plants or seeds. See index of catalog for listing.

S. P. *Alyssum maritimum* (Sweet Alyssum)

S. P. *Alyssum saxatile compactum* (Basket of Gold)

S. P. *Aquilegia* (Columbine)

S. P. *Arabis alpina* (Rock Cress)

S. *Asperula odorata* (Woodruff)

S. P. *Campanula carpatica* (Hare Bell)

S. P. *Candytuft sempervirens*

S. *Centaurea candidissima* (Dusty Miller)

S. P. *Centaurea gymnocarpa* (Dusty Miller)

S. P. *Cerastium tomentosum* (Snow in Summer)

P. *Dianthus deltoideus* (Maiden Pink)

P. *Euonymus radicans*

P. Ferns, Hardy varieties

S. *Gypsophila elegans*

S. P. *Gypsophila paniculata* (Baby's Breath)

S. *Kenilworth Ivy* (Linaria)

S. *Mesembryanthemum* (Ice Plant)

S. P. *Myosotis* (Forget-me-not)

P. *Phlox subulata* (Moss Pink)

S. *Portulaca*

S. P. *Primula Veris* (English Cowslip)

S. P. *Primula Vulgaris* (English Primrose)

P. *Sedum* (Stone Crop)

P. *Vinca Minor* (Periwinkle)



A Rock Garden planted in this fashion makes a dull spot bright

FLOWERING PLANTS FOR CUTTING AND OPEN BORDER PLANTING

ANNUALS

- S. P. *Antirrhinum* (Snapdragon)
- S. *Arctotis* (African Daisy)
- S. P. *Asters*
- S. *Calliopsis*
- S. *Candytuft*
- S. *Celosia plumosa* (Feathered Cockscomb)
- S. *Centaurea* (Cornflower)
- S. *Chrysanthemum*
- S. P. *Cosmos*
- S. *Dimorphotheca*
- S. *Gaillardia* (Blanket Flower)
- S. *Gomphrena*
- S. *Gypsophila elegans*
- S. *Larkspur*
- S. *Lupinus*
- S. P. *Marigold*
- S. *Mignonette*
- S. *Nasturtium*
- S. *Pinks*
- S. *Salpiglossis*
- S. *Scabiosa*
- S. P. *Stocks*
- S. *Sunflower*
- S. *Sweet Peas*
- S. *Sweet Sultan*
- S. P. *Zinnia*

PERENNIALS

- S. P. *Aquilegia* (Columbine)
- S. P. *Achillea* (Sneezewort)
- S. P. *Anthemis* (Marguerite)
- S. P. *Anemone* (Windflower)
- P. *Artemisia lactiflora*
- S. P. *Aster* (Michaelmas Daisy)
- S. *Boltonia* (False Chamomile)
- S. P. *Carnation*
- S. P. *Coreopsis*
- S. P. *Chrysanthemum*
- S. P. *Delphinium*
- S. P. *Eupatorium*
- S. P. *Gaillardia grandiflora*
- S. P. *Gypsophila paniculata*
- S. P. *Geum*
- S. P. *Heliopsis*
- S. *Heuchera* (Alum Root)
- S. P. *Lupinus*
- S. P. *Phlox decussata*
- S. P. *Pentstemon*
- S. P. *Pinks*
- S. P. *Rudbeckia*
- S. P. *Shasta Daisy*
- S. P. *Stokesia*
- S. P. *Statice*
- S. *Stevia*



Borders on the edges of lawns planted in this fashion are an attraction from early Spring to Fall

For Common and Botanical Names of Popular Flowers and Plants see page 45.

A number of Plants, which are grown from Bulbs, produce splendid cut flowers, especially: *Gladiolus*, *Dahlias*, *Callas* and *Tuberoses*.

FLOWERS AND PLANTS FOR PARTIALLY SHADED LOCATIONS

Very few plants will flower in places, from which sunshine is entirely excluded. They may grow well enough, developing leaves, but plants of nearly all kinds must have at least some sunshine. With the exception of Hardy Ferns, which will do very well even in dense shade, the varieties named below should have sunlight for at least two hours during the day, to produce best results.

- S. P. *Aconitum* (Monk's Hood)
- S. P. *Anemone* (Windflower)
- S. P. *Aquilegia* (Columbine)
- S. *Asperula* (Woodruff)
- S. *Auricula*
- S. *Bartonia*
- S. P. *Begonia*, Tuberous-rooted (Can be furnished in Bulbs also)
- S. P. *Bellis* (Daisy)
- S. P. *Campanula* (Canterbury Bells)
- S. *Clarkia*
- S. P. *Coreopsis lanceolata*
- S. P. *Cowslip*
- S. P. *Delphinium* (Larkspur)
- S. P. *Digitalis* (Foxglove)
- P. *Ferns* (Hardy)
- S. *Gentiana* (Gentian)

- P. *Lily of the Valley*
- S. *Linum* (Flax)
- S. P. *Lobelia Cardinalis* (Cardinal Flower)
- S. P. *Matricaria* (Feverfew)
- S. *Mimulus* (Musk Plant)
- S. P. *Myosotis* (Forget-me-not)
- P. *Pachysandra*
- S. P. *Pansies*
- S. P. *Polyanthus*
- S. P. *Poppy* (Perennial varieties)
- S. *Schizanthus* (Butterfly-Flower)
- S. *Torenia*
- P. *Trillium* (Wood Lily)
- S. P. *Viola cornuta* (Tufted Pansies)
- S. P. *Violets*



Plantings against shaded backgrounds like this accomplish wonderful effects

PLEASE NOTE.—In this catalogue we have arranged the items referred to above in order alphabetically, as follows: Summer Flowering Bedding Plants, pages 90 to 91; Summer Flowering Bulbs, pages 92 to 101.

All plants and bulbs are shipped at purchaser's expense unless otherwise specified. **NO PLANTS SHIPPED C. O. D.**

Most of this stock is grown by ourselves, the balance for us by specialists, and are thrifty specimens which will give fine results. The stock offered on pages 90 to 101, with the exception of lilies, is **not hardy**, being for the one season's display only with the exception of a few. Summer flowering plants cannot be mailed, as we send out strong specimens, which travel best by express.

SUMMER FLOWERING BEDDING PLANTS

ACALYPHA

Macafeana. Plants growing 2 feet high, with beautiful red and bronze foliage, showing up well against a green background of cannas, caladiums or ricinus. Extra strong plants, 4-inch pots, 30c. each; doz., \$2.50; \$15.00 per 100.

ACHYRANTHES

Excellent for edging beds of various kinds; make a fine show against a green or yellow background; grow about 12 inches high; very compact.

Brilliantissima. Crimson foliage; very bright.

Extra strong plants, 3-inch pots, 25c. each; doz., \$2.00; \$12.50 per 100.

AGERATUM (Floss Flower)

These are one of the freest of flowering annuals and can be adapted to many purposes. As an edging in a garden border few plants surpass it. Flower heads very large. Plants 10 inches high; ideal for massive bedding or edging.

Blue Perfection. 3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

ALTERNANTHERA

Used principally for carpet bedding effects and edgings; fine for working out designs; of very dwarf growth; 4 inches high.

Aurea Nana. Green and yellow; mottled foliage.

Brilliantissima. Red, with a slight trace of green.

3-inch pot-plants, 15c. each; doz., \$1.50; \$9.00 per 100.

ALYSSUM

Little Gem. Pure white flowers; dwarf compact plant; desirable for edging, flowering all season; 6 inches high. 3-inch pot-plants, 15c. each; doz., \$1.50; \$9.00 per 100.

ANTIRRHINUM (Snapdragon)

A very effective plant for massive bedding or border planting, also much used in Italian Gardens. If flowers are cut off after blooming they will continue to flower until frost. In separate colors as follows:

Giant White, Pink, Yellow and Scarlet. Extra strong, 4-inch pot-plants, 30c. each; doz., \$3.00; \$20.00 per 100.

ASTERS (Giant Branching)

We grow a large stock in separate colors; **Pink, Scarlet, White and Blue.** Extra strong, 3-inch pot-plants, 12c. each; doz., \$1.25; \$8.00 per 100.

BEGONIAS (Fibrous Rooted)

Erfordi. Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. 4-inch pot-plants, 30c. each; doz., \$3.00; \$22.50 per 100.

Gracilis Luminosa. A splendid edging variety with bronzy red foliage and brilliant coppery scarlet flowers; very free blooming; of same habit as Vernon. 4-inch pot-plants, 30c. each; doz., \$3.00; \$22.50 per 100.

Vernon. Bright red flowers; compact dwarf plant; one of the best and most effective bedding plants either for edging or massive bedding. 4-inch pot-plants, 30c. each; doz., \$3.00; \$22.50 per 100.

(For Begonia Bulbs, see page 99.)

CALENDULA (Pot Marigold)

These somewhat resemble a double daisy; are fine for cutting, border planting or as a background.

Orange King. Very deep orange. 4-inch pot-plants, 30c. each; doz., \$3.00; \$22.50 per 100.

(Canna Roots and Plants, see page 92.)

CENTAUREA

Gymnocarpa. Broad silvery foliage; for edging flower beds. 3-inch pot-plants, 20c. each; doz., \$1.75; \$12.00 per 100.



Antirrhinum

COLEUS

The popular bedding plant so commonly used for edging canna and geranium beds, making an effective show till frost.

Verschaffelti. Dark crimson foliage.

Golden Bedder. Rich canary yellow.

Queen Victoria. Red, with yellow edge.

3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

COSMOS

Michell's Giant Flowering Strain, producing enormous long-stemmed flowers late in the autumn.

Pink, White, Red, each color separate. 3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

DAHLIA ROOTS AND PLANTS

(See pages 93 to 96.)

DAISY

These are especially desirable for early spring bedding before it is possible to set out most other plants. Intermingled with Pansies and Forget-Me-Nots (the latter being set out at the same time), they form an attractive combination.

Giant Flowering English, Pink and White, each separate, 20c. each; doz., \$2.00; \$15.00 per 100.

DRACAENA (Fountain Plant)

Indivisa. Attractive; used as a centrepiece for a round bed, urn or vase and in cemetery work. Strong, 6-inch pot-plants, \$1.50 each.

GERANIUMS. See Next Page

HELIOTROPE

This plant bears a mass of flowers all summer; the fragrance cannot be approached by any other annual plant.

Centefleur. Large trusses of rich deep violet blue. 4-inch pot-plants, 30c. each; doz., \$3.00; \$20.00 per 100.

GERANIUMS

Our stock of these is in 4-inch pots, very bushy, well shaped, carefully grown.

Alphonse Ricard. Bright scarlet; double.

Beaute Poitevine. Salmon pink; very double.

Helen Michell. Bright rich scarlet; gigantic flower; to date the very best of its color. 35c. each; doz., \$3.50; \$25.00 per 100.

La Favorite. Double, pure white.

Mrs. E. G. Hill. Soft salmon pink; single flowers.

S. A. Nutt. Rich crimson; double.

Price (except where noted) of any of the above Geraniums, extra fine stock, 4-inch pots, 30c. each; doz., \$3.25; \$22.50 per 100.

GLADIOLUS (See pages 97 and 98)

HYDRANGEAS (See pages 116 and 117)

LANTANA

Excellent bedding plants, thriving best in the full sun; shades of orange and yellow, so effective in bedding. 4-inch pot-plants, 25c. each; doz., \$2.50; \$17.50 per 100.

LOBELIA

Blue flowering plant, for edging and hanging baskets.

Compacta. For bedding, edging, etc. 3-inch pot-plants, 20c. each; doz., \$1.75; \$12.00 per 100.

LEMON VERBENA

(*Aloysia Citrodora*)

Pointed green lemon-scented foliage; fine for mixing among cut flowers; as a winter house plant these are also very satisfactory. 3-inch pots. 50c. each; doz., \$5.00; \$37.50 per 100.

MARIGOLD

These are favorites in all old-fashioned gardens; in bloom from early summer until frost. Grown from selected seed; flowers grow to enormous size.

Lemon Queen. 20c. each; doz., \$2.00; \$15.00 per 100.
Orange King.

MYOSOTIS

Ready after April 10th. Stock usually exhausted May 15th. **Alpestris Victoria.** Dwarf blue. 20c. each; doz., \$2.00; \$15.00 per 100.



Michell's Giant Exhibition Pansy

PANSIES

Michell's Giant Exhibition Strain. It has often been remarked by customers that nowhere else can our Pansies be equaled for size of bloom and rich colors. Fine large plants in bud and bloom in mixed colors only; ready after April 1st. \$1.35 per doz.; 25 for \$2.50; \$10.00 per 100. Stock usually exhausted after May 15th.

PETUNIAS

Of the annual flowers, this is probably the most universally used; it can be put to a variety of uses, for bedding, baskets, window boxes or urns; they flower continuously.

Giant Single Strain. In mixed colors. 4-inch pot-plants, 30c. each; doz., \$3.00; \$20.00 per 100.

Double Petunias. In choice mixed colors. 4-inch pot-plants, 30c. each; doz., \$3.00; \$20.00 per 100.

PHLOX DRUMMONDI

These are a splendid bedding or border plant.

Dwarf. Red, white, pink, each separate. 3-inch pot-plants, 20c. each; doz., \$1.75; \$12.00 per 100.

PYRETHRUM

For edging flower beds and borders; very attractive.

Aureum (Golden Feather). Fine light yellow foliage. 3-inch pot-plants, 20c. each; doz., \$1.75; \$12.00 per 100.



SALVIA (Scarlet Sage)

No show of flowers can equal that produced by Scarlet Sage; it makes a blaze of color when massed or planted in beds that can be recognized at a great distance.

America. Dwarf, bushy and compact.

Bonfire. One of the best dwarf bedding varieties.

Strong 4-inch pot-plants, 25c. each; doz., \$2.75; \$20.00 per 100.

STOCKS (Gillflower) 10 Weeks

Sweet-scented flowers, which are fine for cutting, or as a bed or border plant they are splendid.

Double pink, white, blue and red. In separate colors. 4-inch pot-plants, 30c. each; doz., \$3.00; \$20.00 per 100.

VERBENAS

MICHELL'S MAMMOTH FANCY STRAIN

Used for edging borders, or for window boxes and vases.

In separate colors, pink, white, scarlet, purple. 30c. each; doz., \$3.25; \$22.50 per 100.

VINCA

Rosea. This is the flowering type used for bedding or vases; a bed or border planted with these is a beautiful sight; for either full sun or in partial shade they are well adapted. Pink, white, white with pink eye, each color separate. Pot-plants, 30c. each; doz., \$3.25; \$25.00 per 100.

Major Variegata. A trailing plant used for hanging baskets and window boxes; green foliage mottled white. Extra strong pot-plants, 40c. each; doz., \$4.00; \$30.00 per 100.

ZINNIAS

Michell's Giant Robusta Strain. In mixed colors. Pot-plants, 20c. each; doz., \$2.00; \$12.00 per 100.

MICHELL'S CHOICE CANNAS—Roots

We make a specialty of growing Cannas at our nurseries, Andalusia, Pa., where acres of them are a blaze of color throughout the summer.

Alphonse Bouvier. Rich velvety red; green foliage; 5 feet high.

Austria. A tall-growing variety with gigantic blooms of a lemon chrome, spotted red; 5 feet high; foliage green.

Charles Henderson. An old favorite; a fine shade of deep crimson; dwarf and compact; green foliage; height, about 4½ feet.

City of Portland. A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ ft.; foliage, green. 20c. each; doz., \$2.00; \$12.50 per 100.

Dr. E. Ackerknecht. Deep carmine, suffused deeper. Very distinct; free bloomer; height, 4 ft.; bronze foliage.

Express. One of the most satisfactory dwarf crimson cannas; a continuous bloomer; green foliage; 2½ feet high.

Firebird. This is in every respect one of the best red flowered, green-leaved Cannas. The petals measure 2½ inches and more across; the color is a brilliant scarlet, without any spots; 4½ feet. 35c. each; doz., \$3.50; \$22.50 per 100.

Florence Vaughan. Yellow, spotted crimson; green foliage; 5 feet high.

Gen'l Merkel. Bright scarlet, splashed golden yellow; green foliage; 4 feet.

Gustave Gumpfer. Rich yellow, green foliage; 4 feet.

Hungaria. Plant is dwarf and of compact growth; rich peach blossom pink. It is a free, early and continuous bloomer. The shade is one that will immediately arrest the eye and really must be seen to be appreciated. Foliage green and very massive; height, 3½ feet. 25c. each; doz., \$2.50; \$15.00 per 100.

Italia. Scarlet, broadly edged yellow, orchid type; one of the best of the older sorts. Green foliage; 6 ft. high.

King Humbert. Truly a king among cannas, because of its majestic growth, which is doubly enhanced by its massive truss of coppery scarlet flowers. The foliage is deep bronze, very broad, and of wonderful robust habit, growing 4½ feet high; splendid as a centre planting, edged with yellow, green leaved cannas or vice versa.

Meteor. Of compact growth; broad green foliage, surmounted with large heads of bright red flowers; grows about 4½ feet high. 20c. each; doz., \$2.00; \$12.50 per 100.



Canna, The President



Canna, Mrs. Alfred F. Conard

Mme. Crozy. Scarlet, bordered golden yellow; green foliage 3 feet.

Mrs. Alfred F. Conard. The gigantic flowers, which are borne in immense clusters, are of a delightful salmon pink, a shade which becomes more brilliant as the flower develops, and which stands unapproached by other varieties. Foliage is light green; 4 feet. 20c. each; doz., \$2.00; \$12.50 per 100.

Panama. A free bloomer and of gigantic size; red, edged yellow green foliage; 4 feet.

The President. This splendid new variety produces immense flowers of a rich, glowing scarlet; superior in quantity and quality of bloom to any other red variety; green foliage; 3½ feet. 50c. each; doz., \$5.00; \$35.00 per 100.

Rosea Gigantea. A wonderful novelty; the largest of pink cannas in existence; color, a rich rose pink; flowers free, foliage green; height, 3½ feet. 30c. each; doz., \$3.00; \$15.00 per 100.

Wintzer's Colossal. Vivid scarlet flowers of immense size; profuse bloomer; height 5 feet; green foliage.

Wyoming. Orange chrome red; a wonderful variety; bronze foliage; 6½ feet.

Yellow King Humbert (Queen Helen). This is a sport of the well-known bronze-leaved variety, but this sort has green foliage; about 4½ feet high, with masses of golden yellow flowers, dotted red; occasionally some will be streaked red.

PRICES OF CANNAS (Roots)

All varieties not otherwise quoted are 15c. each; doz., \$1.50; \$10.00 per 100. After April 15th the stock of canna roots is usually exhausted, after which we will furnish plants at the following advance in price over root prices, viz.: 15c. each; doz., \$1.50; \$7.50 per 100. Please note this price is in addition to the price quoted for roots.

CANNAS IN MIXTURE

This mixture is made up of named sorts, but not separate; acquired while cannas are being divided for resale, it contains a splendid assortment. 12c. each; doz., \$1.25; \$8.00 per 100.

6 ROOTS OF A VARIETY AT DOZEN RATE; 25 AT 100 RATE

(oh)

Our list this season has again been thoroughly revised. Many of the older varieties of Dahlias have been omitted and superseded by others that are much superior. Where plants are offered, these will be ready early in May, during which month they may be set out, although they are planted with great success all during June and July. The natural season for the Dahlia to be at its best is during September and October; in fact, effort to get superior blooms before that time should not be attempted. To get large flowers, the plants should be disbudded.

Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use either well-rotted stable manure, or, better still, sheep manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole, 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake.

Keep the ground well cultivated and free from weeds. An application of sheep manure about every two weeks will be of great benefit.

Never leave more than one shoot to a plant. You will have better plants and larger flowers if you will allow only one main shoot to a plant.

ABOUT DAHLIA PLANTS. It happens sometimes that there is an unusually large demand for certain varieties, and our stock of roots becomes exhausted. In such instances we will send out strong plants after May 1st, after which time most all Dahlia orders are filled with plants.

NEW DAHLIA

MRS. GEO. W. ELKINS JR.

The color of this wonderful new decorative Dahlia is hard to describe. Apricot pink with a gold suffusion seems to be about the best description, but this does not do it justice. The blooms are extra large and beautifully formed. The habit of the plant is ideal, being a free and open grower, with frequently two and three, eight to nine inch blooms on it at one time. The stems are stiff and hold the blooms gracefully above the foliage. This grand Dahlia is a perfect exhibition flower and unusually fine for the garden or cutting.

PRICE.—STRONG, THRIFTY PLANTS READY AFTER MAY 1st, \$10.00 EACH

GENERAL LIST

- A. D. Livoni (Show).** Clear pink, of splendid form; an old variety, but still a favorite.
- Albert Maginaw (Collarette).** Deep glowing red.
- Albert Manda (Show).** Beautiful shades of lemon-white and pink.
- Allie Mowry (Pompon).** Magenta pink. 25c. each; doz., \$2.50.
- American Beauty (Decorative).** Brilliant crimson, suffused purple. 50c. each; doz., \$5.00.
- Arabella (Show).** Lemon and pink; extra fine.
- Atlanta (Cactus).** A beautiful, large, white variety.
- Attraction (Cactus).** Flowers extra large, color, soft silvery pink or lilac rose, with white suffusion. 75c. each; doz., \$7.50.
- Aurora (Decorative).** Reddish apricot, suffused pink, tipped white.
- Autumn Century (Single).** Flowers large; color blends from yellow at the base of petals to a rich golden bronze.
- Autumn Sun (Insulindc) (Decorative).** Flowers of immense size, with all the colors of the autumn sun—yellows blending with the reds, orange and golden effects and tints. See color plate. \$2.50 each.
- Avalanche (Paeony).** An enormous flower; pure white. 75c. each; doz., \$7.50.
- Belle of Springfield (Cactus).** Brilliant red. 60c. each; doz., \$6.00.
- Benedictus (Decorative).** Golden yellow; flowers large; plant rather dwarf. 60c. each; doz., \$6.00.
- Berch von Heemsteede (Decorative).** Yellow and orange; very free and flowers keep well. 50c. each; doz., \$5.00.
- Bessie Boston (Decorative).** Scarlet, petals finely clefted; flowers large.

PRICE.—All Dahlias on this page unless otherwise noted are 35c. each; doz., \$3.50.



Show Dahlia, A. D. Livoni



Cactus Dahlia, Electric

- Bianca (Cactus).** Large and fine; color, delicate lavender pink. 75c. each; doz., \$7.50.
- Break O'Day (Decorative).** Clear sulphur yellow. \$1.25 each; doz., \$12.50.
- Catherine Duer (Decorative).** The famous Newport variety; bright iridescent, crimson scarlet; large perfect flower.
- Chas. Lanier (Show).** Immense flowers; color, rich yellow.
- Chatenay (Paeony).** Soft carmine rose.
- Countess of Lonsdale (Cactus).** Rich salmon pink.
- Country Girl (Cactus).** One of the finest varieties for cutting; golden yellow, suffused salmon pink.
- Cramer Peacock (Decorative).** Large flowers; pure white. 50c. each; doz., \$5.00.
- Crepuscle (Cactus).** Yellow, shaded deep orange; flowers large; free bloomer.
- Crimson Giant (Decorative).** Rich glowing crimson; immense flowers, and a free bloomer.
- Crystal (Cactus).** One of the finest; clear, soft pink; flowers of enormous size. 75c. each; doz., \$7.50.
- Cuban Giant (Double Show).** Rich maroon; almost ball shaped; very large; an early bloomer.
- C. W. Bruton (Decorative).** One of the freest bloomers; rich canary yellow.
- Darkest of All (Pompon).** Deep, velvety maroon.
- Decision (Decorative).** Deep yellow at center, shading to a golden bronze. 50c. each; doz., \$5.00.
- Delice (Decorative).** Beautiful rose pink; a splendid large flower; still popular, though not new. 50c. each; doz., \$5.00.
- Diadem (Collarete).** Large, brilliant carmine rose; collar white with carmine markings.
- Diana (Paeony).** A beautiful shade of rich claret shaded purple.
- Dorothy Peacock (Show).** A beautiful pale lilac rose with a white centre; a profuse bloomer with long, erect stems.
- Dreer's White (Show).** A fine, large flower; of beautiful form; pure white; long stemmed. 50c. each; doz., \$5.00.
- Dreer's Yellow (Show).** A grand yellow and grand companion for the foregoing; immense flowers seven inches in diameter. 50c. each; doz., \$5.00.
- Eckford Century (Single).** White beautifully spotted red.
- Electric (Cactus).** Large sulphur yellow with white tips. 50c. each; doz., \$5.00.
- Else (Cactus).** Base of petal buttercup-yellow, gradually passing to amber.
- Elsie Burgess (Decorative).** Lavender pink.

- Etandard de Lyon (Cactus).** Large massive blooms, often inches; on strong stems; profuse and early bloomer. Reddish violet overlaid Tyrian rose. One of the finest dahlias in existence. Broad, curled petals. 75c. each; doz., \$7.50.
- Exposition de Lyon (Collarete).** Beautiful red, white collar.
- Flora (Cactus).** Pure white, long stemmed flowers.
- Floradora (Cactus).** Flower of immense size, with claw-like petals curved inward; distinct blood red; free bloomer.
- Francis White (Cactus).** A large, beautifully formed flower snow white. 50c. each; doz., \$5.00.
- Frank Smith (Show).** Rich red; an old but excellent variety.
- Geisha Century (Single).** Inner half of petal rich yellow; outer half rich scarlet.
- Geisha Improved (Paeony).** One of the most striking bi-colored varieties; scarlet and gold which varies and alternates with every petal. 75c. each; doz., \$7.50.
- Glory of Baarn (Paeony).** Delicate, soft pink; very free and carried erect.
- Golden Century (Single).** A splendid, large golden yellow. 40c. each; doz., \$4.00.
- Grand Duke Alexis (Decorative).** White, edged lavender quilled petals.
- Harzer Kind (Cactus).** A very effective variety; color, lavender pink.
- Hortulanus Budde (Paeony).** Very free bloomer; a beautiful shade of rich orange red; very large flowers, of good form on long, stiff stems. 50c. each; doz., \$5.00.
- Hortulanus Fiet (Decorative).** Enormous flowers, often 8 inches across; delicate shrimp pink; petals tipped golden yellow. 75c. each; doz., \$7.50.
- Hortulanus Witte (Decorative).** A large, free flowering white splendid cut flower variety. 40c. each; doz., \$4.00.
- Jack Rose (Decorative).** One of the most free-flowering and perfect formed Dahlias. The flowers are rich crimson on stiff wiry stems; excellent for cutting.
- J. C. Ide (Decorative).** A beautiful rosy purple; distinct shade. 50c. each; doz., \$5.00.
- Jean Charmet (Decorative).** Pinkish lilac rose on a lighter ground; splendid cut flower variety.
- John Thorpe (Show).** Soft, rich pink; splendid cut flower.
- John Wanamaker (Paeony).** One of the largest and most handsome of Dahlias, being an exquisite shade of rosy lake, called orchid pink. 60c. each; doz., \$6.00.

PRICE.—All Dahlias on this page unless otherwise noted are 35c. each; doz., \$3.50.



Pompon Dahlia, Allie Mowry

6 ROOTS OR PLANTS OF A VARIETY AT DOZEN RATE

(oh)

- Kalif** (*Cactus*). Very large, pure scarlet. A strong plant producing the giant flowers freely on long, stiff stems, quite easily one of the best sorts in cultivation. \$1.00 each.
- King of the Autumn** (*Decorative*). Flowers large, on long stems; color, a luminous salmon pink, passing to a golden suffused buff near the edges. 50c. each; doz., \$5.00.
- Klein Dornitea** (*Pompon*). Salmon buff; very profuse bloomer of fine form. 25c. each; doz., \$2.50.
- La Riente** (*Paeony*). Bright lilac; very large, beautiful flowers. 50c. each; doz., \$5.00.
- Lawine** (*Cactus*). An exquisite variety of enormous size; glistening white, suffused bluish.
- Le Grand Manitou** (*Decorative*). A gigantic flower of excellent form, beautiful shade of violet, mottled and striped purple. 50c. each; doz., \$5.00.
- Lemon Beauty** (*Show*). Beautifully formed; soft, lemon yellow.
- Leo X** (*Cactus*). An extra large, white variety.
- Libelle** (*Cactus*). Sulphur yellow, shaded red; very free flowering. 50c. each; doz., \$5.00.
- Lucy Fawcett** (*Show*). Sulphur yellow, striped and spotted carmine rose.
- Lyndhurst** (*Decorative*). A fine cutting variety and a great bloomer; bright scarlet.
- Maid of Kent** (*Decorative*). Rich cherry red, tipped white.
- Margaret Bouchon** (*Cactus*). One of the most perfect cactus type, color charming soft rose, white centre, white tips. 50c. each; doz., \$5.00.
- Marie Doucet** (*Cactus*). One of the freest flowering varieties; color, mauve pink, shading to white at the center.
- Marjorie Castleton** (*Cactus*). Rosy pink, tinted lighter toward centre and tips.
- Maude Adams** (*Decorative*). Pure white, overlaid pink. 50c. each; doz., \$5.00.
- Maurice Rivoire** (*Collarete*). Blood red, with deeper stripes down the centre; white, fringed collar.
- Melody** (*Decorative*). The most distinct of our new sorts and the most admired by all who have seen it. Color, clear yellow for half the length of the florets, the remainder being pure white.
- Mina Burtle** (*Decorative*). A rich luminous, dark scarlet on long, stiff stems; splendid both for cutting and garden decoration; free-flowering. 50c. each; doz., \$5.00.
- Miss Minnie McCullough** (*Decorative*). Superb soft yellow, overlaid bronze.
- Mme. H. Cayeux** (*Cactus*). Pink, with white center.



Paeony Flowered Dahlia, Mrs. Wm. Kerr



Decorative Dahlia, Maude Adams

- Mondscheibe**. Rich primrose yellow; very fine. 50c. each; doz., \$5.00.
- Mons. L. Ferard** (*Collarete*). Rich, rosy crimson, edged and marked white; large collar of same color.
- Mont Blanc** (*Decorative*). An early continuous flowering white, a regular "cut-and-come-again" variety.
- Mrs. Chas. L. Seybold** (*Paeony*). Ground color, crimson carmine, petals tipped white.
- Mrs. C. H. Breck** (*Cactus*). Massive flowers; color, carmine, splashed and streaked shades of white and yellow. 50c. each; doz., \$5.00.
- Mrs. Hartong** (*Decorative*). Salmon buff, tipped pinkish white. 50c. each; doz., \$5.00.
- Mrs. Henry Wirth** (*Cactus*). Rich, brilliant scarlet; of wonderful free flowering habit.
- Mrs. J. Gardner Cassatt** (*Decorative*). This variety is one of the finest ever introduced. The color is most exquisite, a deep rose shade. Excellent for cutting, having a long, stiff stem.
- Mrs. Roosevelt** (*Decorative*). The flowers of this popular variety have a very distinct form, having large fluted petals flatly arranged. The color, an exquisite daybreak pink, is not approached by any other sort. 50c. each; doz., \$5.00.
- Mrs. Wm. Kerr** (*Paeony*). One of the finest; color, rich cream, suffused pink, overlaid carmine. 50c. each; doz., \$5.00.
- Nerthus** (*Cactus*). Rich bronzy orange yellow, shading to carmine-rose at the tips, the whole suffused with a glowing golden color.
- Nibelungenhort** (*Cactus*). Immense flowers; old rose, suffused apricot. 75c. each; doz., \$7.50.
- Night** (*Cactus*). Dark maroon.
- Oregon Beauty** (*Decorative*). Oriental red with golden sheen and garnet suffusion; blooms large and flowers freely.
- Ouray** (*Decorative*). Rich, deep velvety maroon; of splendid form.
- Parthos** (*Decorative*). Magenta lilac with purple center; long stems. \$4.00 each.
- Perle de Lyon** (*Decorative*). A pure white exhibition variety of great value. The petals are fringed or nitched, giving a unique appearance. The flowers are perfect in form, and produced on long, stiff stems.
- Pink Pearl** (*Cactus*). Soft, rosy pink; an early and profuse bloomer.
- Prince of Yellows** (*Cactus*). Of large size; color, soft, golden yellow.

PRICES.—Unless otherwise noted, all Dahlias offered on this page are 35c. each; doz., \$3.50.

MICHELL'S SUPERB DAHLIAS



Collarette Dahlia, Traymore

Princess Juliana (Decorative). An ideal pure white for all purposes. 50c. each; doz., \$5.00.

Princess Victoria Louise (Show). Extra fine; rich, canary yellow.

Professor Mansfield (Decorative). Rich yellow, white tips, red center.

Queen Emma (Paeony). A charming shade of soft rose, the inner petals banded with gold. A beautiful variety and vigorous grower.

Queen Mary (Decorative). A soft shade of pink; full rounded center. 50c. each; doz., \$5.00.

Queen Victoria (Show). Rich, golden yellow.

Queen Wilhelmina (Paeony). One of the finest white Paeony Dahlias, producing flowers on exceedingly long stems, well above the foliage; excellent for decorative purposes. 50c. each; doz., \$5.00.

Red Grand Duke (Show). A large, well formed flower; a beautiful shade of red.

Rheingau (Cactus). Large, bold, brilliant scarlet; long stems. 50c. each; doz., \$5.00.

Rhein Koenig (Cactus). A splendid exhibition variety. The giant flowers, which often measure 5 to 6 inches in diameter, are glistening snowy white.

Rose (Show). An exquisite, full, round variety of a deep rose color.

Rose Pink Century (Single). A beautiful rose pink color; free bloomer.

Ruth Forbes (Cactus). Massive, clear pink flowers on long stems. 50c. each; doz., \$5.00.

Sequoia (Cactus). Striking saffron yellow; flowers of fine form.

Souvenir de Gustave Doazon (Decorative). One of the largest decorative Dahlias, measuring often 8 inches in diameter. Color is a beautiful red. The flowers are of most perfect form.

Souvenir de Litz (Paeony). Very large; crimson, richly shaded with white markings.

Sylvia (Decorative). Deep pink, tinting to flesh color at centre; large perfect form, on long stiff stems.

T. G. Baker (Cactus). Large, finely formed flowers; clear canary yellow.

Thais (Cactus). Pure white, suffused mauve; a beautiful combination. 50c. each; doz., \$5.00.

Tillamook (Decorative). Lavender; quilled petals. 50c. each; doz., \$5.00.

Tom (Pompon). Soft, creamy yellow. 25c. each; doz., \$2.50.

Traymore (Collarette). Red with yellow collar. 50c. each; doz., \$5.00.

Tricolor (Cactus). Yellow blotched scarlet, suffused rosy white.

Twentieth Century (Single). Intense rosy carmine, with white tips and white disc around the yellow centre.

Uncle Tom (Cactus). Velvety black, shading to dark maroon.

Vivid (Pompon). Extra fine; bright scarlet. 25c. each; doz., \$2.50.

White Century (Single). Immense size; snow white.

White Swan (Cactus). A beautiful pure white.

Wildfire Century (Single). Brilliant, rich scarlet.

Wodan (Cactus). Old gold at center, shading to salmon pink; flowers very large. 50c. each; doz., \$5.00.

Wolfgang von Goethe (Cactus). Apricot shaded carmine. 75c. each; doz., \$7.50.

Wm. Agnew (Decorative). Very large flowers of glistening scarlet crimson; blooms early and lasts until frost; splendid for cutting.

W. W. Rawson (Show). Fine shaped, massive large double flower; long stems, color pure white, overlaid with mauve. 50c. each; doz., \$5.00.

Yellow Duke (Decorative). Canary yellow; quilled petals; a giant flower on long stems.

Yellow King (Cactus). Immense flowers; clear light yellow. 75c. each; doz., \$7.50.

Zeppelin (Decorative). Large and extra fine; violet mauve suffused silvery. 50c. each; doz., \$5.00.

PRICES of all Dahlias offered on this page, except where noted, 35c. each; doz., \$3.50.

DAHLIAS TO COLOR

While named sorts, these are not labeled, but can be furnished in the following types and colors: Cactus, Show, Single and Decorative; in Pink, White, Yellow and Scarlet. Price, 25c. each; doz., \$2.50; \$18.00 per 100.



Single Dahlia, Twentieth Century

MICHELL'S COLOR PLATE DAHLIAS

Attraction (Cactus). A beautiful hybrid cactus dahlia that must be seen to be appreciated. Flowers measure over 6 inches in diameter and are composed of gracefully twisted petals. Color, soft silvery pink or lilac rose, with white suffusion. 75c. each; \$7.50 per doz.

Geisha Improved (Paeony-Flowered). One of the most striking bi-colored varieties, scarlet and gold, which varies and alternates with every petal. A grand improvement. 75c. each; \$7.50 per doz.

Autumn Sun (Insulinde). The name fitly describes this extraordinary variety. Flowers of immense size, with all the colors of the autumn sun—the yellows blending with the brilliant reds, oranges and golden effects and tints. \$2.50 each.

Yellow King. This variety is considered the finest yellow dahlia so far exhibited. Flowers are borne on long stems and are of great substance. Excellent cut flower variety. 75c. each; \$7.50 per doz.

6 ROOTS OR PLANTS OF A VARIETY AT DOZEN RATE; 25 AT 100 RATE

(oh)

MICHELL'S "SUPERB NEWER" DAHLIAS

(Strong Dormant Roots)

Yellow King

Autumn Sun
(Insulinde)

Attraction

Geisha
(Improved)

	Each	Doz.
Attraction	\$.75	\$7.50
Geisha (Improved)	.75	7.50
Autumn Sun (Insulinde)	2.50	
Yellow King	.75	7.50

MICHELL'S GIANT FLOWERING GLADIOLUS



Michell's Giant Flowering Gladiolus			
	Each	Doz.	100
America	\$.08	\$.85	\$5.00
Augusta	.08	.85	5.00
Baron Hulot	.12	1.25	7.50
Mrs. Francis King	.08	.85	5.00
Niagara	.12	1.25	7.50
Primulinus Hybrids	.10	1.00	6.00

MICHELL'S SUPERB GLADIOLI—Bulbs

97

What a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

America. One of the best Gladioli in existence. The color is a beautiful flesh pink, tinged with lavender. The flowers are of the largest size, the petals are round, thick and strong, and will last a long time after being cut. 8c. each; doz., 85c.; \$5.00 per 100.

Augusta. Produces graceful, slender stems, which are dressed with beautiful flowers of pure white, slightly tinged and striped pink, which open all at one time. 8c. each; doz., 85c.; \$5.00 per 100.

Baron Hulot. Large flowers, well arranged on long spikes. Color is a deep indigo blue, slightly marked white at the base of the throat. 12c. each; doz., \$1.25; \$7.50 per 100.

Bertrex (New). Stands at the top of all existing white varieties; flowers are of good substance and of the size and form of America. 20c. each; doz., \$2.00; \$12.50 per 100.

Brenchleyensis. One of the best for bedding or planting in front of shrubbery. The flowers are of a vermilion scarlet color. 10c. each; doz., \$1.00; \$5.00 per 100.

Chicago White. One of the leading varieties for cut flower purposes. 12c. each; doz., \$1.25; \$7.00 per 100.

Empress of India. Maroon black; very dark, rich and fine. 12c. each; doz., \$1.25; \$7.00 per 100.

Evelyn Kirtland (New). Flowers of strong substance; color, a beautiful shade of rosy pink, darker at the edges, fading to shell pink at the center, with scarlet blotches on lower petals. 20c. each; doz., \$2.00; \$12.50 per 100.

Gretchen Zang (New). Large, heavy blooms; a beautiful, soft shade of pink, blending into scarlet on lower petals. 20c. each; doz., \$2.00; \$12.50 per 100.

Halley. Very large, well expanded flowers of a lovely salmon pink; the lower segments are blotched yellow with carmine markings; robust grower. 10c. each; doz., \$1.00; \$6.00 per 100.

Herada (New). Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear. 20c. each; doz., \$2.00; \$12.50 per 100.

Klondyke. The flowers are of medium size and of great substance; clear primrose yellow with a crimson blotch in the throat. Of dwarf habit. 8c. each; doz., 85c.; \$5.00 per 100.

Lily Lehman. Blush white, tinged with pink; splendid flowers, arranged around the stem like water lilies. 15c. each; doz., \$1.50; \$10.00 per 100.

Mrs. Francis King. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. 8c. each; doz., 85c.; \$5.00 per 100.

Mrs. Frank Pendleton, Jr. One of the most exquisitely colored and formed Gladiolus in our entire list. The color is a delicately flushed salmon pink, extending to the reverse side of the petal, as well as in the centre. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. 12c. each; doz., \$1.25; \$8.00 per 100.

Nezinscott. Bright scarlet, with velvety crimson blotches and white mottlings. 12c. each; doz., \$1.25; \$8.00 per 100.

Niagara. A shade of rich cream combined with canary yellow; the individual flowers are very large and are borne in pairs, one opposite the other. 12c. each; doz., \$1.25; \$7.50 per 100.

Panama. For form and habit this has all the desirable features of the variety "America," but the wonderful color can best be described by comparing it with that of the popular rose, "Mrs. Jno. Laing," an incomparable rose pink. 15c. each; doz., \$1.50; \$10.00 per 100.

Peace. A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows enormous flowers, well placed all along the stem. 15c. each; doz., \$1.50; \$10.00 per 100.

Pink Perfection. Rose pink, with 8 to 10 flowers open at one time. The flowers are well expanded and of the most perfect form. 15c. each; doz., \$1.50; \$10.00 per 100.



Gladioli America



Gladiolus, Niagara

NAMED SORTS (Continued)

Primulinus Major Hybrids. From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. 10c. each; doz., \$1.00; \$6.00 per 100.

Scarsdale. Long, graceful spikes of wide open flowers, of a pleasing lavender shade; a most unique and distinct color. 10c. each; doz., \$1.00; \$6.00 per 100.

Schwaben. One of the newer of the yellow varieties; a magnificent cut flower, because the flowers all open pretty much at one time. 15c. each; doz., \$1.50; \$10.00 per 100.

Shakespeare. A very dainty white; slightly suffused rose. Well opened flowers, on long spikes. 12c. each; doz., \$1.25; \$7.00 per 100.

War. This is undoubtedly one of the largest flowered sorts; deep red, shaded crimson and showing 4 to 6 blooms at one time. 15c. each; doz., \$1.50; \$10.00 per 100.

Wm. Falconer. Enormous flowers on extra long stems; color, clear pink. 20c. each; doz., \$2.00; \$15.00 per 100.

Testimonial

My order No. of Gladiolus Bulbs arrived O. K.
They are certainly a fine looking lot of bulbs. J. N. H.
Mechanicsburg, Pa.

Testimonial

I have never had such beautiful bulbs as I have bought of
you; hereafter my entire order will be placed with your house.
Mrs. M. M. W.
Alloway, N. J.



Gladiolus, Empress of India (See page 97)



Gladiolus, Primulinus Major Hybridus Var.

UNNAMED GLADIOLI (In Separate Colors)

	Each	Doz.	100
White and Light Shades	\$0.06	\$0.65	\$4.25
Yellow and Orange—All Shades .....	.07	.75	5.00
Red and Scarlet .....	.06	.65	4.25
Pink and Rose .....	.06	.65	4.25
Striped and Variegated .....	.06	.65	4.25

MIXTURES OF GLADIOLI

Michell's Giant Flowering. Every bulb for this mixture has been selected with the utmost care for coloring and size of flower; no other mixture can boast of such careful selection. is principally grown in our own nursery. 7c. each; per doz. 75c.; \$5.00 per 100.

	Each	Doz.	100
Groff's New Hybrids. Extra fine, mixed....	\$0.06	\$0.65	\$4.25
Extra Choice. All colors mixed .....	.06	.50	3.25

SILVER MEDAL STRAIN MIXTURES

A very superior selection of what is generally known as mixture, and offers the opportunity to do one's planting in shades the same character.

Section 1. This embraces all the shades of scarlet, red and crimson. 6c. each; per doz., 65c.; \$4.25 per 100.

Section 2. The cream of all the yellow, pink, white and light shaded colors. 7c. each; per doz., 70c.; \$4.50 per 100.

Section 3. Lilac, heliotrope, violet and all the shades of light and dark blue. 7c. each; per doz., 70c.; \$4.50 per 100.

IMPORTANT MEMORANDA

Most people want the biggest bulbs they can get. Many varieties of gladioli produce only medium-sized bulbs and for that reason should not be condemned. This is especially true in the case of mixed gladioli, either in colors or shades of color. The smaller bulbs are frequently the finest varieties.

Please consult our Color Plate of Gladiolus, opposite page 97.

6 BULBS OF A VARIETY AT DOZEN RATE; 25 AT 100 RATE

(oh)

AMARYLLIS

For a practical showy house plant there is nothing of easier culture than these gorgeous lily-like flowers. Once potted they can remain in the same pot for years, the number of flowers increasing each year.

Cultural Directions: Place bulbs, on receipt, in damp moss in a temperature of 60 degrees and allow the flowering shoot to appear before the bulb is potted. When the plant is in progress of blooming water freely, other times sparingly.

Belladonna. A beautiful bright pink. 25c. each; doz., \$2.50.

Formosissima. Crimson. 25c. each; doz., \$2.50; \$17.50 per 100.

Hybrids of Vittata. Beautiful species; flowers striped and flaked. 75c. each; per doz., \$7.50.

Johnsoni. A very large crimson flower, striped white. This variety is the best of the every day sorts, the flower is very showy. Large bulbs, 60c. each; per doz., \$6.00.

BEGONIAS (Tuberous Rooted)

There is hardly a single garden in which there are not semi or entirely shaded spots; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June until frost. The bright flowers contrast well with the deep-colored foliage. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

SINGLE BEGONIAS

	Each	Doz.	100		Each	Doz.	100
Crimson ...	\$0.30	\$3.00	\$18.00	Scarlet ...	\$0.30	\$3.00	\$18.00
Orange.....	.30	3.00	18.00	White.....	.30	3.00	18.00
Pink.....	.30	3.00	18.00	Yellow....	.30	3.00	18.00
Mixed.....					.30	3.00	18.00

DOUBLE BEGONIAS

In separate colors as above.....	.35	3.50	25.00
Choice Mixed, all colors.....	.35	3.50	25.00

CALLAS

Splendid as a pot-plant for the window garden or for growing outdoors, preferring a shaded location. May be started inside any time prior to May 1st, after which they can be safely planted out.

	Each	Doz.	100
Elliotiana. Yellow flower as large as the			
Common White Calla; spotted leaf.....	\$0.35	\$3.75	\$25.00



Caladium Esculentum

CALADIUM ESCULENTUM (Elephant's Ear)

As centrepieces in flower beds Caladiums are fine. They make an excellent edging for tall-growing plants. When planted in a bed alone, a border of Scarlet Sage makes a beautiful contrast. Do not plant outdoors until after May 1st; but to get them in early growth, they may be started indoors.

	Each	Doz.	100
Monster Bulbs, 12-14 in. cir.	\$0.50	\$5.00	\$35.00
Mammoth Bulbs, 9-11 in. cir......	.35	3.50	25.00
First Size Bulbs, 7-9 in. cir......	.25	2.50	15.00
Second Size Bulbs, 5-7 in. cir......	.15	1.50	10.00

If wanted by mail add 5c. to the price of single bulbs.



CALADIUM (Fancy Leaved)

Charming conservatory plants. Being of tropical nature they like a warm temperature. They do quite well outdoors during the summer, if planted in a shaded place. The foliage covers a wide range of colors, making a grand display. The bulbs should be started in moss with plenty of bottom heat.

Charles Simpson. Bluish green, spotted red, creamy white ribs.

Coimbra. White suffused green, red veins and ribs.



Fancy Leaved Caladium

Frances M. Laughlin. Transparent rose centre, yellowish zone, green border.

Jacupiranga. Transparent white with green veins.

Jupiter. Red centre, green border, spotted white.

Leopold Robert. Deep red crimson ribs, green border.

Lord Derby. Rose, green ribs and veins.

Macache. Variable, green suffused pink, with red ribs.

Prince Albert Edward. Red, suffused pink, green border.

Putomayo. Pink, spotted strawberry red, very beautiful.

Shellpink. Centre shell pink, deep red veins, white border.

Silver Queen. Pure white, almost transparent like glass.

Any of the named sorts, 30c. each; doz., \$3.00; 100, \$20.00.

GLOXINIAS

A gorgeous plant either for the conservatory or garden. They prefer a moist soil and a shady situation. Bulbs may be started as early as January, but should not be set outdoors until after May 15th.

	Each	Doz.	100
Duchess of York. Purple, white border..	\$0.30	\$3.00	\$20.00
King Edward V. Red.....	.30	3.00	20.00
Meteor. Flesh, deep pink border.....	.30	3.00	20.00
Queen Alexandra. Pure white.....	.30	3.00	20.00
Reading Purple. Deep purple.....	.30	3.00	20.00
Reading Scarlet.....	.30	3.00	20.00

ISMENE CALATHINA

(Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer; flowers a beautiful waxy white and deliciously fragrant. Large bulbs, 25c. each; doz., \$2.50; \$18.00 per 100. Parcel Post Weight, 2 lbs. per doz.

LYCORIS SQUAMIGERA (Amaryllis Hallii)**THE MAGIC LILY OF JAPAN**

A perfectly hardy Amaryllis bearing beautiful pink flowers. Produces in early spring attractive green foliage, which grows until July, when it ripens off and disappears, and anyone not familiar with its habits would think the bulb had died; but about a month later, as if by magic, the flower-stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink, shaded with clear blue. Cover the crowns about four inches. For the hardy border or for planting among shrubbery, this is a most excellent subject, and should be more generally grown. Strong-flowering bulbs, 30c. each, \$3.00 per dozen; \$22.00 per 100.

MONTBRETIAS

A beautiful flower resembling a miniature Gladiolus; fine for cutting. They should be protected during the winter with leaves or litter. Mixed colors, 25c. each; doz., \$2.50; \$15.00 per 100.

SUMMER HYACINTH (Hyacinthus Candicans)

In July and August they produce spikes about two feet long, which are covered with bell-shaped white flowers. Large bulbs, 15c. each; doz., \$1.25; \$8.00 per 100. Parcel Post Weight, 2 lbs. per doz.



Ismene Calathina

OXALIS (Summer Blooming)

Splendid border plants around flower or foliage plant beds. **Deppii.** White, small flowers.

Lasiandra. Pink flowers.

Either of the above 2c. each; doz., 20c.; \$1.25 per 100.

Testimonial

East Greenville, Pa.

I have been selling bulbs for many years, but never before did I handle such fine Tuberoses as received from you. L. F. P.

TUBEROSES

Beautiful pure white flowers appearing in August, of wonderful fragrance.

Double Pearl. Pure white. 7c. each; doz., 75c.; 100, \$5.00.

Double Pearl. Mammoth bulbs. 10c. each; doz., \$1.00; \$6.00 per 100.

Albino. Single white; 7c. each; doz., 75c.; \$5.00 per 100.

Single bulbs mailed free, add 10c. per doz. for mailing larger quantities.

ZEPHYRANTHES

(Fairy Lily)

A splendid pot plant for winter, of easiest culture. Planted outdoors in May, they flower the entire season.

Each Doz.
Tretea Rosea. Pink
(Per 100, \$12.50) . . . \$0.20 \$2.00

Tretea Alba. White
(Per 100, \$7.00)12 1.25

Testimonial

The bulbs I got from you last year were the finest that I have ever had.

Mrs. W. D. B.

Don't fail to consult our Color Plates of Dahlias, and Gladiolus.



Summer Hyacinth (Hyacinthus Candicans)



Pearl Tuberose

SIX BULBS OF A VARIETY AT DOZEN RATE; 25 AT 100 RATE

(oh)



AMERICAN OR NATIVE LILIES

	Each	Doz.	100
Canadense (<i>Canadian Bellflower Lily</i>). Bright yellow bell-shaped flowers, spotted black inside; June and July; 2 feet.	\$0.20	\$2.00	\$15.00
Canadense Rubrum . Same type as above; crimson with black spots. ....	.40	4.00	25.00
Elegans , Leonard Joerg. Rich apricot pink	.30	3.00	20.00
Hansoni . Often grows from 3 to 5 feet high; flowers reddish orange, 8 to 12 in a cluster; petals thick and durable. ....	.75	7.50	50.00
Henryi (<i>Yellow Speciosum Lily</i>). Tall grower, often 7 feet, producing flowers of a distinct orange yellow in great profusion. .	.75	7.50	50.00
Superbum (<i>Turk's Cap Lily</i>). One of the best lilies for all purposes; will grow from 3 to 6 feet high and produce from 15 to 25 nodding brilliant orange red flowers on a single stalk during July. ....	.25	2.50	15.00
Tenuifolium (<i>Coral Lily</i>). Brilliant scarlet, bell-shaped flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of borders, rockeries or cutting; foliage very slender; flowers in May. ....	.35	3.50	25.00

JAPANESE LILIES

Auratum (*Golden Banded*). Enormous; measuring frequently 8 to 12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow; delightfully fragrant; a single stem produces on an average from 8 to 15 flowers; blooms in August. Each Doz. 100

Large Bulbs, 8 to 9 inch circum. \$0.35 \$4.00 \$30.00

Mammoth Bulbs, 9 to 11 inch circum.50 5.50 40.00

Monster Bulbs, 11 to 13 inch circum.75 7.50 55.00

Speciosum Album. The best late flowering pure white hardy garden lily; of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stems; height, 4 feet; blooms August and September. Each Doz. 100

Large Bulbs, 8 to 9 inch circum. \$0.35 \$4.00 \$30.00

Mammoth Bulbs, 9 to 11 inch circum.50 5.50 40.00

Monster Bulbs, 10 to 12 inch circum.75 7.50 55.00

Speciosum Magnificum. An enormous flower, rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album;" height, 3 feet; flowers in August. Each Doz. 100

Large Bulbs, 8 to 9 inch circum. \$0.35 \$3.75 \$30.00

Mammoth Bulbs, 9 to 11 inch circum.45 4.75 35.00

Monster Bulbs, 11 to 13 inch circum.75 7.50 55.00

Speciosum Rubrum or Roseum. Delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height, 3 feet; flowers in August and September. Each Doz. 100

Large Bulbs, 8 to 9 inch circum. \$0.35 \$3.75 \$30.00

Mammoth Bulbs, 9 to 11 inch circum.45 4.75 35.00

Monster Bulbs, 11 to 13 inch circum.75 7.50 55.00

MISCELLANEOUS JAPANESE LILIES

Batemanni. Apricot colored; 3 feet; July. Each Doz. \$0.50 \$5.00

Krameri. Blush pink; 3 feet; August.50 5.00

Macranthum (*Giant Golden Banded Lily*). August.80 8.00

Mubro-Vittatum. Spotted, purplish crimson. 1.00 10.00

Wittei. Very fragrant; white, yellow band. 1.25 12.50

LILY TIGRINUM

The popular "Tiger Lily," orange, profusely spotted black, very free bloomer, doing well most everywhere. Each Doz. 100

Single Flowering. \$0.30 \$3.00 \$20.00

Double Flowering.35 3.50 25.00

LILIUM REGALE (*Myriophyllum*)

Introduced from China; absolutely hardy, also splendid for forcing; white suffused pink, shaded canary-yellow. \$1.00 each; doz., \$10.00.

We have placed a letter adjoining each sort to denote its class. T indicates Tea Variety; HT indicates Hybrid Tea Variety; HP indicates Hybrid Perpetual.

SPECIAL DIRECTIONS FOR PLANTING AND CARING FOR ROSES

Open a good space in the soil and spread out roots; never cramp them into a small hole. Do not let manure come in contact with roots, but place it underneath and a layer of soil on the top. If the rose is a bush plant, set it so deep that only branches are visible above the ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent, and remove what might appear to be surplus wood. The strongest growth should be cut back to within six inches above the ground; the weaker growth to 4 inches. All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer with cow manure or with Peat Moss. As winter approaches draw soil 6 to 8 inches high around the stem; this avoids winter killing, especially the HT and T varieties; then cover with long manure or similar litter.



Mme. Leon Pain

American Beauty (Climbing). This possesses the deep color of one of its parents, American Beauty, and also its very delightful fragrance. The plants often make canes 15 feet long in a season; the flowers are 3½ to 4 inches in diameter, and produced in great profusion, not only during May and June, but off and on all summer.

American Pillar (Climbing). Single; flowers large, 2½ to 3 inches in diameter, of a rich shade of pink with a distinct white centre; produces immense clusters, being very showy and attractive. The growth is exceptionally strong; foliage a shiny dark green, and insect-proof. An additional attraction in autumn are the clusters of red seed berries. Extra strong plants, 75c. each; per 100, \$60.00.

Baby Rambler (Dwarf). One of the most useful and ornamental roses; it blooms in immense clusters similar to Crimson Ramblers, but grows only 20 inches high. Color, clear and brilliant ruby red; foliage dark and glossy. Extra strong plants, 75c. each; per 100, \$60.00.

Betty (HT). A strong, vigorous grower, with deliciously fragrant flowers of a coppery rose color, shaded golden yellow; very free.

British Queen (HT). A wonderful free-blooming variety; large, pure white flowers.

Cecil Brunner (Baby Rambler) (Sweetheart). It is difficult to imagine a more dainty rose than this. It is perfectly double; rosy pink on a cream white ground. It has a true tea-rose scent. For rose bowls or miniature vases this makes beautiful cut flowers. Strong plants, 75c. each; per 100, \$60.00.

Christine Wright (Climbing). A cross between the popular Hybrid Tea, Caroline Testout and a seedling. The color of the flower is a bright rose-pink; measures 3½ to 4 inches across; is of perfect form, beautiful in the bud and acceptable in the fully developed flower. During June it is at its best, but continues to give flowers throughout the entire season. This is sure to give satisfaction.

Columbia (HT). This has been termed with the florist "the all-the-year-round" variety, because of its wonderful freedom of bloom. The stems are almost thorn-free; grows well in most every locality. Extra strong plants, \$1.25 each; doz., \$12.00.

Conrad Ferd Meyer (Rugosa). Double, light pink.

Dorothy Perkins (Climbing). Pink flowers in long sprays, which are very fragrant and lasting; a deservedly popular rose. Extra strong plants, 75c. each; per 100, \$60.00.

Edward Mawley (HT). One of the finest of all dark crimson roses; a true perpetual Hybrid Tea.

Etoile de France (HT). Intense brilliant crimson of fine fragrance, producing elegant pointed buds, which open an extra large flower.

Frau Karl Druschki (HP). Pure white; very large; frequently called the White American Beauty.

General MacArthur (HT). Bright scarlet; long, large, full bud; very free flowering and fragrant.

General Jacqueminot (HP). Crimson scarlet; large, full and fragrant; one of the best known varieties in existence.

George Arends. The color is tender rose-pink, and the flowers are produced in great profusion. Called the *Pink Frau Karl Druschki* and worthy of the name.

Gruss an Teplitz (HT). Bright scarlet crimson, growing very free and flowering profusely; one of the best all-around garden roses.

Hermosa (Bourbon T). Its compact-growing bush is a mass of bright pink flowers from June till frost. An excellent rose for cemetery planting.

Jonkheer J. L. Mock (HT). One of the richest roses in cultivation. The flower is perfect, being a grand shade of deep pink, while the outer petals are silvery rose. A free bloomer.

Kaiserin Augusta Victoria (HT). In color a soft pearly-white, slightly tinted with lemon in the centre; very fragrant.

Killarney (HT). In shape nothing can approach this beautiful rose; its long perfectly shaped bud, which on the outside is of a delicate pink, unfolds a flower with a deeper pink on the inside.

La France (HT). An old favorite and a model garden rose in every way; flowers clear satiny-pink; large, very full, of perfect form and very fragrant.

Lady Hillingdon (T). Deep coppery yellow, and an attractive long bud. It is very free in growth and a continuous bloomer.

Los Angeles (HT). A luminous pink, shaded golden yellow at base of petals; of wonderful fragrance. The long pointed buds expand into an immense flower. Extra strong plants, \$1.75 each.

Mad. Jules Grolez (HT). This magnificent variety is an exceedingly free bloomer, with large, finely-formed flowers. The color is a distinct and charming shade of cherry red. The fine form and attractive shape of the flowers makes them excellent for cutting.

Magna Charta (HP). One of the largest; color, deep pink.

Miss Alice de Rothschild (T). Free flowering; citron-yellow; very sweet.

Mme. Caroline Testout (HT). One of the oldest and best varieties. The flowers are of a bright satiny rose, shaded deeper in the centre; bud and flower are open or cup-shaped and are very double.

Mme. Edward Herriot (HP) (Daily Mail Rose). Coral red, with yellow shadings at the stem, terminating in salmon red; a beautiful contrast of color, which brings out in great distinctiveness the strong individuality of this charming variety. It should be included in every collection of roses. Flowers are very large and double.

Mme. Leon Pain (HT). Silvery flesh pink, centre yellowish orange; full and free.

Mme. Pernet Ducher (HT). A good yellow rose that has been revived under the name of Yellow President Carnot.

Price n any of the above, except when noted, \$1.00 each; per 100, \$90.00 (25 supplied at the hundred rate)

Pot Grown Roses are ready for shipment about May 1

(oh)

STANDARD OR TREE ROSES

We offer a splendid collection of specimen Standard Tree Roses, which are growing on sturdy hardy stems, about 4 feet high.

They are wonderfully effective for planting in isolated spots in the Rose Garden as they relieve the flat appearance of all bush roses together, and give the flowers a certain individuality.

It is necessary to give Standard Roses some support and a stake about the same thickness as the Rose stem should be used.

Baby Rambler. Clear and brilliant ruby red.

Frau Karl Druschki (HP). Pure white; large flowers.

General Jacqueminot (HP). Crimson scarlet; very fragrant.

Gruss an Teplitz (HT). Bright scarlet crimson.

Magna Charta (HP). Deep pink.

Ulrich Brunner (HP). Bright cherry red, with large full flowers.

Price of any of the above Standard or Tree Roses, fine pot-grown plants, \$5.00 each.



Standard or Tree Rose

MELROSINE

Death to Rose Bugs

Many exasperated rose-lovers seeing the best blooms of their pet roses destroyed by this bug, have wished death to him and all his family. He also infests Paeonies, Japanese Iris, Rhodendrons, etc. But the Rose Bug need no longer be endured; when sprayed with Melrosine he dies. It is a highly concentrated liquid insecticide, to be diluted with from twenty to twenty-five parts of water, and sprayed directly upon the affected blooms. Spray on a still day, in bright sunshine. Begin when the first buds appear, and spray every day until the successive crops of them emerging from the ground have been destroyed. Do not spray until the first bugs appear. Do not spray in early morning or late evening.

Per $\frac{1}{2}$ pt. 50c.; \$1.00 per pt.; qt., \$1.75; \$3.25 per $\frac{1}{2}$ gal.; gal., \$6.00.



Dorothy Perkins (Pink)

Mrs. Aaron Ward (HT). A conspicuous rose on account of its coloring; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout.

Mrs. Charles Russell (HT). A grand rosy pink; large blooms.

Mrs. W. Cutbush (Pink Baby Rambler). A cerise pink; a persistent bloomer, with very double flowers. Extra strong plants, 75c. each; per 100, \$60.00.

My Maryland (HT). This variety needs no introduction to rose growers, as it has been thoroughly tried and proven. A splendid grower, free of bloom and flowers of a bright salmon pink.

Ophelia (HT). A vigorous grower with salmon-flesh shaded pink flowers, which are of perfect shape and very large; long stiff stems, which make it ideal for cutting.

Orleans (Baby Rambler). Rich, brilliant red flowers, which turn to pink as they become older. The centre of the flower is white. Extra strong plants, 75c. each; per 100, \$60.00.

Paul Neyron (HP). Deep satiny rose; a giant flower.

Premier (HT). Of wonderful fragrance, with long, stiff, almost thornless stems and leathery, handsome foliage; exceedingly free bloomer. Extra strong plants, \$1.25 each; 100, \$90.00.

Radiance (HT). A rose that will please everybody. Beautiful in form and free-flowering. Color is a brilliant carmine pink, shaded yellow at the base of the petals.

Silver Moon (Climbing). Gigantic pure white flowers (resembling somewhat a Clematis bloom), frequently 5 inches in diameter. Strong plants, 75c. each; per 100, \$60.00.

Souvenir de President Carnot (HT). Handsome large flower on a stiff, erect stem. Easily one of the best in the Hybrid Tea class. Color, a delicate soft pink, changing to white.

Sunburst (HT). Long pointed buds; golden orange flowers.

Tausendschoen (Climbing). One of the best climbing roses yet introduced. Very free flowering. Color, an exquisite shade of soft pink, which changes to a rosy carmine when fully open; flowers large. Extra strong plants, 75c. each; 100, \$60.00.

Ulrich Brunner (HP). Bright cherry red with large full flowers.

White Dorothy Perkins (Climbing). Extra strong plants, 75c. each; per 100, \$60.00.

Price on any of the above, except where noted. \$1.00 each; per 100, \$90.00 (25 supplied at the hundred rate).

Our hardy perennial plants are perfectly hardy and thoroughly acclimated, invariably giving real results and flowering the season of planting. Order early and plant as early as possible, or as soon as the frost is permanently out of the ground. We grow our perennials principally in pots, though we also have at times field-grown plants, and we will fill your order with whichever stock gives you the best value or results at the time it is executed. You may rely upon our judgment in this connection. We have had constructed a splendid range of concrete frames for wintering over perennials—in fact, they have been pronounced by experts to be the best equipment of their kind ever seen. Our list of perennial plants includes only those of known usefulness, distinctiveness and merit. Our book on "Hardy Perennials" is an instructive publication, and it can be had free on request.

All plants are sent, in season, by Express unless otherwise instructed. We can forward small plants or small number of plants by Parcel Post, and if wanted sent in this way add 10 per cent. to value of order for postage to points east of the Mississippi River, and 20 per cent. to points west of the Mississippi River.

ACANTHUS (Bear's Breech)

Mollis Latifolius. A handsome decorative plant of stately effect, with deeply-toothed, heart-shaped leaves, 2 feet long; excellent either for planting as single specimens on the lawn or in the border, or for grouping with other plants for sub-tropical effect, producing 3-foot-high spikes of curious rose-colored flowers during August and September. 35c. each; doz., \$3.50.

ACHILLEA (Milfoil or Yarrow)

Eupatorium (Fern-leaved Yarrow). Finely-cut foliage and brilliant yellow heads of flowers, lasting in full beauty all summer, 4 to 5 feet.

Millefolium Cerise Queen (Rosy Milfoil). Finely cut, deep green foliage; flowers cherry red in dense heads; 18 inches high.
Ptarmica Fl. Pl. "The Pearl." Pure white flowers borne in the greatest profusion the entire summer on strong, erect stems, 2 feet high; as a summer cut flower it is of great value.
 Price, 30c. each; doz., \$3.00; \$18.00 per 100.



Achillea, The Pearl

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply plants of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

ACONITUM (Moonshood or Helmet Flower)

All these varieties form bushy clumps; invaluable for planting under trees or in shady or semi-shady positions.

Napellus. Large, dark blue flowers; 4 feet; August to September.
Fischeri. A dwarf variety growing 18 inches high, with large, pale blue flowers in September and October.

Sparks' Variety. The darkest blue of all; flowers in June; 4 feet high.
 Price, 35c. each; doz., \$3.50; \$25.00 per 100.

AGROSTEMMA (Rose Campion)

Stout, erect-growing plants, with silvery foliage, which contrasts well with the showy flowers, which are produced during June and July.

Coronaria (Mullein Pink). Bright rosy crimson; 2½ to 3 feet high.
Coronaria Alba. A pure white variety.

Flos Jovis. Deep pink.

Price, 30c. each; doz., \$3.00; \$18.00 per 100.

ALYSSUM (Gold Dust or Basket of Gold)

Splendid edging plants. Ideal for rockery; grows about a foot high.

Saxatile Compactum. Golden yellow. 25c. each; doz., \$2.50; \$18.00 per 100.

AMSONIA

Salicifolius. A stout, shrub-like plant, growing about 2 feet high with terminal spikes of light steel-blue flowers; desirable to intersperse in clumps in the front row of the shrubbery border. 30c. each; doz., \$3.50.

ANCHUSA (Sea Bugloss)

Italica. "Dropmore Variety." Plants grow 4 feet high in pyramidal shape, branch freely and are loaded with bright blue flowers. Forget-me-not-like flowers in June; very showy and valuable.

Opal. Pale blue, very large flowers.

Price, 35c. each; doz., \$3.50; \$20.00 per 100.

ANEMONE. See next page.

ANTHEMIS. See next page.

AQUILEGIA (Columbine)

For spring blooming these are invaluable, producing the graceful spurred flowers on stems rising 2 feet over their attractive foliage, during May and June. For rockery gardens, semi-shaded places, in hardy borders or in clumps, they are very effective.

Michell's Long-spurred Hybrids. This is the most admired type of Columbines. They have been produced from the strains of several famous hybridizers and are much superior to the usual grade. The plants are of strong, thrifty growth. The flowers of largest size vary in color through charming tones of cream, pink, lavender, blue, white, red, etc., hardly any two being exactly alike. We offer them in mixed colors only.

Canadensis (Common American Columbine). The native bright red and yellow variety, and one of the brightest.

Chrysantha (Golden Columbine). Bright yellow, long-spurred flowers.

Coerulea (Rocky Mountain Columbine). Bright blue and white long-spurred flowers.

Flabellata Nana Alba. A dwarf growing, pure white variety.
 Price of all Aquilegias, 30c. each; doz., \$3.00; \$18.00 per 100.

"Hardy Perennials and How to Grow Them"

A comprehensive treatise of 48 pages, including plants for hardy borders, together with a complete list of varieties. The book is free. Send for a copy.



Anemone—Japonica

ANEMONE JAPONICA (Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; flowers are cup form, and appear in August and remain till frost. They require winter protection with leaves, straw or long manure, which amply repays one for the extra trouble taken.

Japonica Alba. Large, showy-white; very chaste.

Japonica Rubra. Beautiful rosy-red; stamens bright yellow.

Queen Charlotte. Very large semi-double flowers of La France pink, a color that is rare among hardy plants.

Whirlwind. Large, semi-double pure white flowers, very free.

Price, any of the above, 30c. each; doz., \$3.00; \$18.00 per 100.

ANTHEMIS (Marguerite)

Tinctoria. This hardy Marguerite is one of the most satisfactory summer-flowering perennials, succeeding in the poorest soil; of bushy habit, growing about 15 inches high, and producing its large golden-yellow daisy-like flowers continuously during the entire summer. 30c. each; doz., \$3.00; \$18.00 per 100.

ARABIS (Rock Cress)

Alpina. One of the most desirable of the very early spring-flowering plants that is especially adapted for edging and for the rock garden, but does equally well in the border, forming a dense carpet, completely covered with pure white flowers. Lasts for a long time in bloom.

Alpina Rosea. A new delicate rose-tinted variety.

Price, 30c. each; doz., \$3.00; \$18.00 per 100.

ARMERIA (Sea Pink or Thrift)

Attractive dwarf plants that will succeed in any soil, forming evergreen tufts of bright green foliage, from which innumerable flowers appear in dense heads, on stiff, wiry stems, from 9 to 12 inches high. They flower more or less continuously from early spring until late in the fall. Very useful in the rockery.

Lauchiana Rosea. Bright rose.

Lauchiana Alba. White.

Price, either of the above, 30c. each; doz., \$3.00; \$18.00 per 100.

ARTEMISIA LACTIFLORA

A new variety of great merit; flowers white, in much branched panicles; very fragrant; 4 ft.; Aug., Sept. Should be planted in fertile, moist soil. 35c. each; doz., \$3.50; \$25.00 per 100.

ARTEMISIA

A most useful class of plants either for the border or for filling in within the shrubbery; highly ornamental foliage. All these varieties offered stand cutting down to 5 or 6 inches when used in carpet bedding.

Abrotanum (*Old Man, or Southern-wood*). Dark green, finely cut foliage, with pleasant aromatic odor, 2 feet.

Stelleriana (*Old Woman*). Deeply-cut silvery foliage; much used in carpet bedding; 18 inches.

30c. each; \$2.50 per doz.; per 100, \$18.00.

ASCLEPIAS (Butterfly Weed)

Tuberosa. Very showy native plants, about 3 feet high, producing their flowers of brilliant orange-scarlet during July and August. 30c. each; doz., \$2.50; \$18.00 per 100.

HARDY ASTERS. See page 106

ASTILBE

The varieties offered below are stately, hardy plants, and succeed best in rather heavy soil and where they will not suffer for lack of moisture.

Davidi. An important hardy plant. Its 5 to 6 feet high stems, which rise from a tuft of pretty dark green foliage, are crowned with feathery plumes of deep rose-violet flowers during June and July.

Grandis. A grand species and a fine companion to A. Davidi, being of similar habit of growth; the panicles of white flowers are frequently 2 to 2½ feet long; the foliage is much divided and attractive.

Price, either of the above, 50c. each; doz., \$5.00.

ASTILBE ARENDSI

This new type is the result of crossing A. Davidi with A. Japonica Compacta, Astilboides and Thunbergi. The plants are of very vigorous growth, 2½ to 3½ feet high, producing many-branched feathered heads of flowers in June and July. They prefer a half-shady, moist position in any ordinary garden soil.

Ceres. Delicate light rose-colored flowers, with peculiar silvery sheen.

Salmon Queen. Graceful panicles of a beautiful salmon pink.

Venus. Similar to Ceres, but of bright, deep violet-rose color.

Vesta. Very graceful plumes of light lilac-rose.

Price, any of the above, 50c. each; doz., \$5.00.

AUBRETIA (Rock Cress; False Wall Cress)

The most popular evergreen trailers, with dense, cushion-like growth of silvery foliage and wonderfully free-flowering in the spring. Perfectly hardy. Planted in the crevices of old walls and on rock ledges, it produces cascades of bloom.

Graeca. Blue. Price, 30c. each; doz., \$3.00.

BAPTISIA (False Indigo)

Australis. A strong-growing plant, about 2 feet high; suitable either for the border or wild garden, with dark green, deeply-cut foliage and spikes of dark blue flowers in June.

Tinctoria. Spikes of bright yellow flowers in June; 2 to 2½ feet. 30c. each; doz., \$3.00; \$18.00 per 100.

BELLIS PERENNIS (English Daisy)

Improved double-flowering, white and pink; each separate. 20c. each; doz., \$2.00; \$15.00 per 100.

BOCCONIA

(Plume Poppy, or Tree Celandine)

Cordata. A noble, hardy perennial, beautiful in foliage and flower; admirably adapted for planting in the shrubbery borders, centre of beds and in bold groups in almost any position. It will grow in any soil or situation, attaining from 6 to 8 feet in height; flowers in terminal panicles, of a creamy-white color, during July and August. 30c. each; doz., \$3.00; \$18.00 per 100.

BOLTONIA (False Chamomile)

Among the showiest of our native hardy perennial plants, with large, single, Aster-like flowers. The plant is in bloom during the summer and autumn months, and, with its thousands of flowers open at one time, produces a very showy effect.

Asteroides. Pure white; very effective; 5 to 7 feet.

Latisquama. Pink, slightly tinged with lavender, 4 to 6 feet. 30c. each; doz., \$3.00; \$18.00 per 100.



Aster—Glory of Colwall

HARDY ASTERS

Tall-flowering, stately plants, which may be used with splendid effect in borders, or in clumps as specimens on lawns, in large groups or beds. They form the basis of a color scheme in a perennial border during the months of September and October, and last well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in sun or partial shade. For cutting they are invaluable. The wide range of color makes this one of our finest summer and autumn-flowering perennials.

DWARF ALPINE VARIETIES

Alpinus. Indispensable for the rockery or edge of hardy borders; grows 6 to 10 inches high and bears large, showy bluish-purple flowers in May and June.

Alpinus Albus. Identical to the above, but with pure white flowers.

SUMMER FLOWERING VARIETIES

Feltham Blue. One of the most decorative free-flowering varieties; color, a pretty shade of aniline blue; August and September; 2½ feet high.

Glory of Colwall. A splendid improvement on the variety Beauty of Colwall, with good-sized, nearly double, ageratum-blue flowers; remarkably free flowering; 2½ feet, September and October.

Novi Belgii Climax. Of strong, vigorous habit, 5 feet high; branched pyramidal-shaped flower stems; lavender-blue flowers. August-October.

Perry's Favorite. A most distinct bright, clear rose.

Summer Beauty. An exquisite shade of light blue; very large flowers, commencing to bloom in the late summer and continuing almost up to frost time; height, about 4 feet.

Price of any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

FALL OR AUTUMN FLOWERING VARIETIES

Novi-Belgii, The Queen. A splendid variety; bluish white; 4 to 5 ft. high.

Robert Parker. Pale heliotrope; height, 4 ft.

Snowflake. Very free bloomer; pure white; height, 2 ft.

Mrs. F. J. Raynor. Delicate lavender.

Price of the above, fall or autumn flowering varieties, 30c. each; doz., \$3.00; \$18.00 per 100.

CAMPANULA (Bell Flower)

Showy perennial plants of special merit; some are tall, being suitable for borders; others are dwarf, for rockeries and edging. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade it greatly prolongs the blooming period of the plant.

Calycanthema (Cup and Saucer). These are biennials, and last only one season, when planted in the autumn. Pink, White and Blue, each color separate; height, 18 inches; June-July.

Media (Old-fashioned Canterbury Bells). This is a biennial type, like the Calycanthema, and will last only one season, when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. Blue, Pink and White, in separate colors.

Carpatica (Carpathian Harebell). A pretty species, growing in compact tufts, not exceeding 8 inches high; flowers clear blue, held erect on wiry stems. It begins blooming in June, continuing until October. As an edging for a hardy border or for the rockery it is unsurpassed.

Carpatica Alba. The white-flowered form of above.

Price of above, 30c. each; doz., \$3.00; \$18.00 per 100.

HARDY BORDER CARNATIONS

Choice mixed seedlings produced from seed. We supply strong plants that will furnish an abundance of double flowers this season. 30c. each; doz., \$2.50; \$18.00 per 100.

CARYOPTERIS (Blue Spirea)

Handsome perennials; free flowering; of bushy habit; very valuable for their late blooming season. For bedding or pot culture.

Mastacanthus. Rich violet flowers produced in great profusion the whole length of the branches. 2 feet to 3 feet. September and October. 30c. each; doz., \$2.50; \$18.00 per 100.

CASSIA (Senna)

The Cassias delight in a sunny exposure. They are shrubby perennials, attractive for the finely cut foliage and showy, curious flowers. Senna leaves are used a great deal for medical purposes.

Marilandica (Wild Senna). Large panicles of yellow, pea-shaped flowers and attractive light green foliage. 3 to 4 feet. 30c. each; doz., \$3.00; \$18.00 per 100.

CENTAUREA (Hardheads or Knapweed)

Of easy culture, delighting in an open, sunny position, producing a wealth of bloom, which not only makes a fine display in the border, but is excellent for cutting.

Montana (Perennial Corn Flower). Grows 2 feet high, bearing large violet blue flowers from July to September.

Montana Alba. Large white variety of the above.

30c. each; doz., \$3.00; \$18.00 per 100.

CERASTIUM (Snow in Summer)

Tomentosum. A desirable low-growing plant with silvery foliage and white flowers in June; suitable for the rockery, or for carpeting dry, sunny spots, or for covering graves; can also be used with good effect in carpet bedding. 30c. each; doz., \$3.00.

CHRYSANTHEMUMS, HARDY. See page 107**CHRYSANTHEMUM (Shasta Daisy)**

Arcticum (The Arctic Daisy). Among fall-flowering perennials, this is a perfect gem. In September multitudes of pure white flowers appear, from 2 to 2½ inches in diameter. These begin to develop during the last week in September, and continue in good condition throughout October, and frequently into November.

Shasta Daisy (Alaska). A decided improvement on the original, with blooms ½ to 5 inches across, of pure glistening white. Very free-flowering and in bloom all summer and fall.

Price of the above, 30c. each; doz., \$3.00; \$18.00 per 100.

CIMICIFUGA (Snake Root)

Racemosa. A handsome native species bearing in July and August spikes of pure white flowers, 4 to 6 feet. Price, 30c. each; \$3.00 per doz.

COREOPSIS

Lanceolata Grandiflora. Flowers rich golden yellow and of graceful form; fine for cutting, June till October. 25c. each; doz., \$2.50; \$15.00 per 100.

CORONILLA (Crown Vetch)

Varia. A rampant creeper, with globular heads of showy, bright pink and white Sweet Pea-shaped flowers; a useful plant for covering rough banks or for the rockery. 30c. each; doz., \$3.00.



Hardy Chrysanthemum

CHOICE, HARDY CHRYSANTHEMUMS THE QUEEN OF AUTUMN FLOWERS

After early frosts have destroyed the bloom of most garden flowers the Chrysanthemum comes forth in all its beauty. "Hardy Mums" are becoming more and more popular.

Our new list presents many new kinds, the best of the old ones.

While generally conceded to be hardy, we recommend a slight protection of long straw manure over the roots of all hardy Mums during the winter months; or better yet, after they have finished blooming cut the plants down, lift them and place them in a cool cellar (light and airy), plunged in clean sand or dry soil; water only sufficiently (if stored indoors) to keep them from drying out, or put in a cold frame and set out in the spring.

EARLY FLOWERING GARDEN CHRYSANTHEMUMS—GENERAL LIST

Champagne. Light cerise pink, suffused with bronzy yellow.

Cranfordia. Large yellow; tall; rather late.

Ethel Blades. A rich shade of chestnut red.

Excelsior. Golden yellow; large flowered; dwarf.

Garza. Pure white ray petals, with golden center.

Glory of Seven Oaks. Dwarf golden yellow; very early.

Indian. A fine Indian red.

L'Argentullaise. Deep chestnut.

McNiese. Old rose; reflex flowers.

Mensa. Pure white; single.

Mrs. W. E. Buckingham. A brilliant shade of rose pink.

Mrs. Dean Emery. Brilliant chamois-pink.

Oconto. A white Japanese variety.

Rosea. Bright red; wonderfully colored.

POMPON VARIETIES

Autumn Beauty. Golden crown.

Baby. Clear bright yellow; very small button.

Donald. Light pink; large and sturdy growers.

Fairy Queen. A beautiful clear pink.

Golden Climax. Yellow; very fine for cutting.

Iva. Deep bronze; very small.

Julia. Orange scarlet.

Lelia. Scarlet bronze; tall; handsome flower.

Lilian Doty. Pale shell pink, produced in enormous clusters.

Minta. Light pink; free flowering.

Mrs. Chester Robinson. A lovely old rose shade of pink.

Mrs. H. F. Vincent. Fawn and bronze salmon pink shadings.

Mrs. Nellie Kleris. An improved Lilian Doty, but the color is more evenly diffused over the flower.

Myer's Perfection. Pure white; tall growing variety.

Queen of the Whites. Fine, creamy white.

Quinola. Golden yellow.

Ruby Queen. Dark ruby red.

Thelma. Bronzy-red.

White Doty. A pure white sport of Lilian Doty.

Price of above, 25c. each; doz., \$2.50; \$15.00 per 100.

DELPHINIUMS OR HARDY LARKSPURS

In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground, the latter should have a good natural drainage. Never use animal manure in planting Delphiniums, unless it has been incorporated in the soil a year before planting. Pure bone-meal is the best fertilizer in promoting growth; apply with it also some wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads in succession. To get the best out of hardy Larkspurs in the way of flowers, feed them occasionally during the growing season with an application of ground bone. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

Belladonna. The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty by any other flower.

Chinense. A very pretty dwarf species, with fine feathery foliage and intense gentian-blue flowers in open panicles.

—Album. A pure white form of the above.

Formosum. The old favorite dark blue with white centre; 3 to 4 feet high. Very vigorous, and one of the best.

Michell's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids offered. The original stock came from England, and consisted of the best-named varieties. The plants are of strong, vigorous habit, with large flowers on spikes two feet, and over, long, the majority running in the lighter shades of blue. We can supply them in mixture only.

Price, any of the above, 30c. each; doz., \$2.50; \$18.00 per 100.

DIANTHUS (Garden Pinks)

These are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. They are at their height of bloom in June.

Deltoides (Maiden Pink). A continuous flowering variety with pink flowers. Especially suited for rock work.

Deltoides Alba. White flowers.

Lactifolius Atrococcineus Fl. Pl. (Ever-blooming Hybrid Sweet William). A splendid variety with brilliant double, crimson flowers. Blooms continuously during the entire season.

Any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

DICTAMNUS (Gas Plant; Burning Bush)

A genus of very ornamental plants deserving a place in every flower border. The plant when rubbed emits a strong, fine odor, something like that of lemon peel, which is strongest in the pedicels of the flowers. Of easy culture and valuable for cutting.

Fraxinella. Racemes of curious red flowers with decided balsamic scent. 2 to 2½ feet. May to July.

Fraxinella Alba. Spikes of attractive pure white, sweet-scented flowers; valuable for cutting and lasting a long while in water. 2 feet. May to July. 30c. each; doz., \$3.00; \$18.00 per 100.

DIGITALIS (Foxglove)

These are showy plants, but are biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is, a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flowers in June.

Gloxinaeflora. White, Pink, Purple, Lilac. Each separate.

Grandiflora. Yellow.

Lanata. A distinct species, producing dense spikes of curious-looking flowers, the corolla being gray, the lips white.

Any of the above, 25c. each; doz., \$2.50; \$18.00 per 100.

ECHINOPS (Globe Thistle)

Ritro. Interesting and showy thistle-like plants with globular heads of deep metallic blue flowers, which can be dried, and remain attractive for a long time; 2 to 3 feet. 30c. each; doz., \$3.00.

EPIMEDIUM (Barren-wort; Bishop's Hat)

Dwarf-growing plants, 8 to 10 inches high, with leathery foliage and panicles of interesting flowers; the foliage of all the varieties offered below assumes the most beautiful tints of color in autumn.

Mushianum Rubrum. Rosy red.

Niveum. Dwarf; early; pure white.

Sulphureum. Sulphur-yellow.

Violacea. Rich violet.

30c. each; doz., \$3.00.

ERYNGIUM (Sea Holly)

Handsome ornamental plants, growing from 2 to 3 feet high. Effective in flower and shrubby border, woodlands, wild gardens, etc.; the flower heads, which are produced from July to September, are useful to cut for vases or to dry for winter bouquets.

Amethystinum. The finely-cut, spiny foliage and the beautiful thistle-like heads are of glistening amethystine-blue. A most ornamental plant. 35c. each; \$3.50 doz.

EUPATORIUM

Ageratoides (Thorough wort). A useful border plant of strong, free growth, 3 to 3½ feet high, with minute white flowers in dense heads; splendid for cutting; August and September.

Coelestinum. A pretty hardy plant, with light blue flowers similar to the Ageratum. This is a particularly fine thing in hardy perennials, and blooms more freely than most sorts, lasting for weeks; a splendid cut flower. 18 to 24 inches. 30c. each; doz., \$3.00; \$18.00 per 100.

EUPHORBIA (Milk Wort)

Corollata (Flowering Spurge). A most showy and useful native plant, growing about 18 inches high and bearing from June to August umbels of pure white flowers, with a small green eye; desirable for cutting. 30c. each; doz., \$3.00; \$18.00 per 100.

HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May. They require absolutely no attention after they are planted. In the variety at command very interesting plantings and effects can be made.

ADIANTUM Pedatum (Maidenhair Fern).

ASPIDIUM. From aspidon—a little buckler, in allusion to the form of the spores or seed apparatus.

—**Acrostichoides (Christmas Fern).**

ASPLENIUM Filix-Foemina (Lady Fern). From Greek a—not, and splen—spleen; referring to its supposed medicinal properties.

CYSTOPTERIS Bulbifera (Bulblet Bladder Fern).

DICKSONIA Punctilobula (Gossamer Fern). Named after James Dickson, a famous British authority on ferns.

ONOCLEA. Greek, meaning closed vessel, alluding to the closely rolled sporophylls.

—**Struthiopteris (Ostrich Fern).**

—**Sensibilis (Sensitive Fern).**

OSMUNDA. From Osmunder, another name for the Scandinavian god, Thor.

—**Cinnamomea (Cinnamon Fern).**

—**Claytoniana (Interrupted Fern).**

WOODSIA Ilvensis. Excellent for rock-work, requiring little soil and thriving best in the sunniest corner.

Price, any of above, 30c. each; doz., \$3.00; \$18.00 per 100.

FUNKIA (Plantain Lily; Day Lily)

Japanese perennials producing attractive clumps of foliage and interesting lily-like blossoms. Their dense stools of foliage are in place along drives or walks and in the angles against buildings. A continuous row along a walk gives a strong and pleasing character. Delight in moist, shady situations. The variegated foliage of some species is extremely beautiful and striking for decorative work.

Lanceolata. Valuable by reason of its late flowering; lilac flowers in September; 2 feet.

Coerulea. Blue, broad green leaves; June; 4 feet.

Subcordata Grandiflora. Very large, pure white, lily-shaped, fragrant flowers in August and September; 2½ to 3 feet. 50c. each; doz., \$5.00.

Undulata media picta. Green and white variegated foliage; purple flowers. Makes a fine edging; July; 2 feet.

Price, except where noted, 30c. each; doz., \$3.00; \$18.00 per 100.

GAILLARDIA (Blanket Flower)

One of the most useful of the hardy flowers when planted in clumps; beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

Grandiflora. Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disc. 30c. each; doz., \$2.50; \$15.00 per 100.

GEUM (Avens; Barren Strawberry)

Well-known group of plants noted for their rich coloring and freedom of flowering. Most useful for cutting and the rockery or border. May to July.

Atrosanguineum fl. pl. Large blood-red flowers in open heads. 1 to 2 feet. 30c. each; doz., \$3.00; \$18.00 per 100.



Hardy Grasses

GRASSES (Hardy Ornamental)

The generous, beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. **Elymus Glaucus (Blue Lime Grass).** A graceful growing type with narrow silvery blue foliage; a dwarf compact grower; height, 3 feet.

Erianthus Ravennae (Plume Grass or Hardy Pampas). Deep green narrow foliage, growing about 10 feet high.

Eulalia Gracillima Univittata (Japan Rush). Graceful narrow foliage, growing 5 to 6 feet. Green, with silvery rib.

Eulalia Japonica Variegata. An attractive variety with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

Eulalia Japonica. Like the variegated variety, except that it is entirely green.

Eulalia Japonica Zebrina. Dark green foliage, crossmarked horizontally golden yellow. One of the best of hardy grasses. 4 to 5 feet.

Gynerium Argenteum (Pampas Grass). This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. Height, 7 to 10 feet.

Phalaris Arundinacea Variegata (Variegated Ribbon Grass or Gardener's Garter). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 12 to 15 inches.

Pennisetum Japonicum (Hardy Fountain Grass). One of the most valuable hardy grasses, either for beds, mixed borders or as individual specimens. Height, 4 feet.

Price of Hardy Grasses, 35c. each; doz., \$3.50; \$22.50 per 100.

GYPSOPHILA (Baby's Breath)

During August and September this is a mass of delicate flowers. They keep for months without water.

Paniculata. Feathery sprays of white flowers; useful for effects in bouquets. 25c. each; doz., \$2.50; \$15.00 per 100.

HELENIUM (Sneezewort)

These desirable perennials succeed in almost any soil, in a sunny location. The flowers are splendid for cutting.

Autumnale Superbum. Massive spreading heads of deep golden yellow flowers; August-October; 5 feet.

Riverton Beauty. Rich lemon-yellow, with large purplish-black cone; August and September; 4 feet.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

HELIANTHUS (Hardy Sunflower)

Very effective in borders and among shrubbery.

Angustifolius. Bright yellow, medium sized flowers; August and September; 3 to 4 feet.

Maximiliana. The latest of all; blooming profusely in October; the fine golden yellow flowers appear in long graceful sprays; splendid for cutting; 5 to 7 feet.

Multiflorus fl. pl. Large, double golden yellow; July-August; 4 feet.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

HELIANTHEMUM (Sun Rose)

A very pretty family of evergreen plants, covered during May and June, and more or less throughout the summer, with flowers of the most brilliant colors; valuable for rockeries.

Hyssopifolium. Copper colored flowers; large glossy leaves.

Perfoliatum Roseum. Salmon pink flowers with yellow center.

Vulgaris Flora Pleno. Yellow flowers; very double.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

HELIOPSIS (Orange Sunflower)

This genus is very similar to the Helianthus. They are tall-growing plants, well suited for the back of flower borders.

Pitcheriana. One of the best hardy plants for the perennial border, being especially valuable for cutting and for planting in dry places. Daisy-shaped flowers of deep orange color, on good stems for cutting. 2 to 3 feet.

Scabra Zinniaeflora. A new double-flowering form of the Orange Sunflower, growing about 24 inches high, and producing golden-yellow flowers closely resembling a Zinnia in form.

Price, 30c. each; doz., \$3.00; \$18.00 per 100.

HEMEROCALLIS (Yellow Day Lily)

Lily-like plants, flowering in great profusion during the summer, making a fine cut bloom.

Aurantiaca. Large, trumpet-shaped, orange yellow flowers; reverse of petals bright Indian yellow; sweet scented.

Kwanso Flore Pleno (Double). Coppery red; July; 3 feet high.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

HIBISCUS (Mallow)

Giant Flowering. A wonderfully improved form of our greatly admired Marsh Mallows. They attain a height of 6 to 7 feet, have beautiful lacinated foliage and monstrous flowers, measuring from 6 to 8 inches in diameter. We offer these in mixed colors only. Price, 25c. each; doz., \$2.50; \$15.00 per 100.

HOLLYHOCKS (Double)

These thrive best in soil that is not too wet, which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter.

Our strain of these is very fine, and we offer the following colors in double flowering only (each separate):

Yellow, Crimson, Pink, White. 25c. each; doz., \$2.50; \$15.00 per 100.

HYPERICUM (St. John's Wort)

Moserianum. A most desirable border plant, of free and graceful habit; golden yellow, cup shaped flowers. Strong plants, 25c. each; doz., \$2.50; \$15.00 per 100.

IBERIS (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed.

Snowflake. Pure white; of fine form, and compact habit, blooms very early; height, 9 inches.

Sempervirens. Pure white flowers; 1 foot.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

IRIS. See next page.

LATHYRUS (Everlasting or Perennial Sweet Peas)

The perennial pea is one of the hardiest and most easily cultivated species, thriving almost anywhere. It is a good trellis plant.

Latifolius. Large, deep red flowers on long stems in constant succession. 6 feet.

—**Pink Beauty.** Clusters of large beautiful shell-pink flowers. Price, either of above, 30c. each; doz., \$3.00.

—**White Pearl.** Most beautiful of all, with pure white flowers, about double the size of the ordinary varieties. Price, 50c. each; doz., \$5.00.

LAVENDULA (Lavender)

Vera. This is the true Sweet Lavender; grows about 18 inches high; delightfully fragrant blue flowers in July and August. 25c. each; doz., \$2.50; \$15.00 per 100.

LIATRIS (Blazing Star, or Gay Feather)

Pycnostachya. Showy and attractive native plants, succeeding anywhere; producing large spikes of light rosy-purple flowers in July and August; 5 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

LILY OF THE VALLEY

For outdoor planting in shaded places. Large clumps, 50c. each; doz., \$5.00; \$35.00 per 100. Stock cannot be shipped after May 15th.

LUPINUS (Lupins)

These flower in May and June; are 3 to 4 feet high. In dry weather water liberally to prolong the bloom.

Polyphyllus, Blue. Very showy.

Polyphyllus, White.

Polyphyllus, Pink.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

LYTHRUM

Roseum Superbum (Rose Loose-strife). A strong-growing plant, 3 to 4 feet high, thriving in almost any position, producing large spikes of rose-colored flowers from July to September. 25c. each; doz., \$2.50; \$15.00 per 100.

LOBELIA

Few plants are more effective at their season of bloom, which extends from early in August till late in September.

Cardinalis (Cardinal Flower). Rich, fiery cardinal flowers; strong plant, often producing 10 to 18 spikes, 24 to 30 inches long. 25c. each; doz., \$2.50; \$15.00 per 100.

LYCHNIS (Camplon)

All Lychnis are of the easiest culture, thriving in any soil.

Chalcedonica. Bright orange-scarlet; June and July; 2 to 3 feet.

Chalcedonica Alba. A white-flowered form of above.

Haageana Hybrids. Brilliant orange-scarlet; May and June; 12 inches.

Viscaria. Forms dense evergreen foliage, and in June sends up spikes of handsome, double, deep red, fragrant flowers; 1 foot.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

LYSIMACHIA

Ciliata (Fringed Loose-strife). Yellow flowers in July. 2 feet.

Clethroides (Loose-strife). A fine hardy variety about 2 feet high, with long, dense, recurved spikes of pure white flowers from July to September.

Nummularia (Creeping Jenny, or Money-wort). Valuable for planting under trees or shrubs where grass will not grow, where it quickly forms a dense carpet.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

MATRICARIA (Feverfew)

Little Gem. Pure white, double flowers, splendid for cutting; flowering July and August; height, 12 inches; ideal for open sunny border. 25c. each; doz., \$2.50; \$15.00 per 100.

MONARDA (Horse Mint; Bergamot; Oswego Tea)

Didyma Rosea (Oswego Tea). Flowers of a rose color, and sweetly fragrant foliage. 18 inches. July to September.

—**Alba (White Bergamot).** Pure white flowers in whorls. Leaves cordate and highly scented. 3 feet. June to September.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

MYOSOTIS (Forget-Me-Not)

These are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer.

Alpestris Victoria. A grand variety, with fine heads of clear azure blue flowers; bushy and compact, a fine edging plant.

Palustris Semperflorens (Perpetual Flowering Forget-me-not), Blue with yellow throat; damp places; spread rapidly. 9 inches.

15c. each; doz., \$1.50; \$10.00 per 100.

*Iris Germanica***IRIS GERMANICA (Fleur de Iis)**

No garden or perennial border is complete without a planting of Iris; they thrive most anywhere, being absolutely hardy under most all conditions. In May, when the majority of perennials have not come into bloom yet, the Iris Germanica comes out in its full beauty. We grow these in very large quantities. When planting observe that the growing part of the crown protrudes from the soil, and only when established should this be covered entirely; most effective when planted in masses either in the hardy border in front of shrubbery or in beds.

- Bridesmaid.** White, shaded silvery lilac.
Dr. Bernice. Brown, with purple falls.
Eldorado. Yellowish bronze, shaded lavender.
Eugene Sue. Creamy white, spotted and striped purple.
Florentina Alba. Creamy white, faintly flushed lavender.
Gloire de Hillegom. Clear light blue; very fine, large flower.
Gypsy Queen. Standards bronze; falls deep purple; reticulated light yellow at base.
Her Majesty. Rosy lilac; a beautiful variety.
Innocenza. Pure ivory white; early and very beautiful.
Ivorine. Extremely early; pure white.
Kochi. Rich claret purple; very handsome.
Laura. Beautiful shade of lavender blue.
L'Innocence. Pure white, purplish brown lip.
Lohengrin. Lilac rose; very large flower.
Loute. Upright petals; light blue and heliotrope; falls reddish purple and bronze.
Mad. Chereau. White, frilled with a border of clear blue.
Mad. Pacquette. Deep claret red, nearly red.
Mrs. H. Darwin. Standards clear waxy white; violet blue falls.
Ossian. Straw-yellow standards, with bluish violet falls.
Pallida Dalmatica. Exquisite shade of lavender-blue.
Pallida Mandraliscae. Rich lavender purple; very handsome.
Pallida Speciosa. Standards dark lavender, with light purple falls.
Queen of May. A lovely soft rosy-lilac, almost pink.
Walneri. Standards lavender; falls purple-lilac.

Price of all German Iris, 25c. each; doz., \$2.50; \$18.00 per 100.

IRIS KAEMPFERI (Japanese Iris)

The King of all Iris, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of June into July. The flowers, many of them, when spread, measure 12 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich location.

The names being rather awkward, we have also arranged them under number so they can be ordered more readily. Varieties marked "double" are 6-petaled, and those marked "single" are 4-petaled.

1. **Bandai-no-nami.** Clear white, with fringed center; double.
10. **En-u-no-sora.** Pink; reddish standards; single.
4. **Ho-o-jo.** Rich velvety purple; double.
3. **Kichi-cohuo.** White; single.
5. **O-sho-Kun.** Dark tyrian blue; white veins; double.
34. **Sassa-no-koe.** White, pink lined; single.
6. **Shippo.** Rich tyrian blue; white lined; double.
22. **Suiren.** Very light lavender; double.
43. **Summa-no-ura.** Light blue; darker spotted.
96. **Tanka-no-hoe.** Reddish pink; darker spotted.
60. **Uchiu.** Light lavender; very double.
75. **Yedo-jiman.** Dark violet, purple center; double.

Mixed. All colors and shades.

Price of Japanese Iris, 35c. each; doz., \$3.50; \$25.00 per 100.

IRIS INTERREGNA

An entirely distinct type, being a cross between a German Iris and a shrubby Iris, known as the Pumila type. It is medium early to bloom, flowering in between Iris Pumila and Iris Germanica.

Ceres. Standards and fall pearl white, orange beard.

Walhalla. Standards light blue, violet blue falls, yellow beard.

Price of above, 30c. each; per doz., \$3.00.

IRIS (Oriental and Siberian)

These make a bright show in the garden and are excellent for cutting.

Blue King. Clear blue. Found by Mr. Peter Barr in Japan.

Superba. Large, violet blue; handsome foliage, reaching almost to the flowers. 2 to 3 feet.

Iris Siberica Alba. Fine white. June.

30c. each; doz., \$3.00.

*Iris Kaempferi*

PLANTS TRAVEL BEST BY EXPRESS OR PARCEL POST. NO PLANTS SENT C. O. D.

(oh)

MICHELL'S GIANT FLOWERING PAEONIES

111

No disease or insect ever troubles this plant. They delight in a sunny location and in deep rich soil. After planting water regularly until you feel they are established and always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.

	Each	Doz.
Beaute Francaise. Lilac-rose, with a cream white collar; very fragrant. Mid-season.....	\$0.50	\$5.00
Couronne d'Or. Snowy white, with yellow reflex and deep pink edges on a few petals. Late.....	.50	5.00
Delachi. Violet-crimson; very free bloomer; late mid-season.....	.50	5.00
Dorchester. Pale Hydrangea-pink; very fragrant; late mid-season.....	.50	5.00
Dr. Bretonneau. Lilac rose with cream white centre, flecked crimson. Mid-season.....	.50	5.00
Duc de Cazes. Bright pink, silvery reflex. Early....	.50	5.00
Duchesse de Nemours. Pure white, with a sulphur-white centre; very early and extra fine.....	.50	5.00
Edulis Superba. Beautiful shaped flower of a bright mauve pink color, with narrow edges of lilac. One of the best early sorts.....	.75	7.50
Faubert. Dark purple red.....	.50	5.00
Faust. Delicate flesh pink, with salmon centre. Mid-season.....	.50	5.00
Festiva Maxima. Beautifully shaped flower, 7 to 8 inches in diameter. Pure white, splashed red. Late.....	.75	7.50
Floral Treasure. Very pale lilac-rose; very fragrant; mid-season.....	.75	7.50

	Each	Doz.
L'Eclatante. Large globular flower of brilliant red color; very good variety. Mid-season.....	\$0.75	\$7.50
L'Indispensable. Perfect shaped flower of a delicate creamy color, shaded pink. Mid-season.....	1.00	10.00
Marie Lemoine. Delicate rose white, with a creamy centre.....	.75	7.50
Meissonier. Uniform, brilliant purple-red; fragrant; brilliantly colored. Mid-season.....	.35	3.50
Mme. Calot. Pale hydrangea pink, centre shaded darker, collar tinted silver; free bloomer.....	.75	7.50
Queen Victoria. Pure white, cream centre. Mid-season.....	.50	5.00
Rubra Superba. Deep carmine crimson; large; fragrant; rose type; very late.....	.35	3.50
Zoe Calot. Pure white, suffused rose. Mid-season..	.50	5.00

PAEONIES TO COLOR

	Each	Doz.
Double Pink	\$0.35	\$3.50
Double White.....	.35	3.50

MICHELL'S SUPERB HARDY PHLOXES

Among hardy herbaceous plants none are more easily grown than these. They are perfectly hardy, succeeding in any garden soil, and produce magnificent spikes of showy and lasting flowers year after year with comparatively little care. They are indispensable for brilliant, bold color effects in mass during the late summer and autumn as it would be difficult to maintain the display of dazzling color without them during July and August, at a time when there is hardly anything else in bloom that can be depended upon.

To obtain good results it is wise to manure the soil well and give them a fairly open location. In partial shade the flowers grow much better than when grown in full sun. If the first flower spikes are removed as soon as over and plants given a good soaking of water they will produce a second crop of flowers, thus extending the display until late in the autumn.

Once planted perennial phloxes require no further attention for several years, but it is advisable that they be separated every third season, for old plants soon become worn out and although they make tall growth the flowers grow smaller and smaller.

PHLOX DECUSSATA

- Baron von Dedem.** Deep pink, suffused orange; immense trusses.
- Eugene Danzanvilliers.** Delicate lavender; a very attractive and decorative color; immense flowers. The peer of its color.
- Europa.** Blush white, with a large deep pink centre; the flower truss is very large, while the florets are also of gigantic size.
- Frau Anton Buchner.** Very large pure white flower truss, with gigantic individual florets; very dwarf.
- Jules Sandeau.** Dwarf; very large flowering; pure pink; extra fine variety and free bloomer.
- Madame Paul Dutrie.** Delicate soft pink; resembles a delicate orchid. The flower trusses are enormous.
- Montagnard.** Dark purple claret; large spikes and flowers.
- Rheinlander.** Deep salmon pink, with a distinct bright red eye. The trusses are of gigantic size and of fine form and substance. It is very early and lasts well into the season.
- Rosamundi.** Very attractive appearance. Produces immense trusses of enormous flowers of a beautiful soft rose color.
- Thor.** A much deeper color than the popular Elizabeth Campbell. Deep salmon pink, suffused with scarlet; a white halo surrounds the aniline red eye.
- Von Lassburg.** The queen of all clear white phloxes; trusses and single flowers are immense in size; rather dwarf.
- W. C. Egan.** One of the prettiest in our entire collection, the color being a pale lilac with an intense solferino-red eye. It is of medium height and of branching habit.

Price of any of the above Hardy Phlox, extra strong roots, which will flower the first season, 25c. each; doz., \$2.50; \$15.00 per 100.

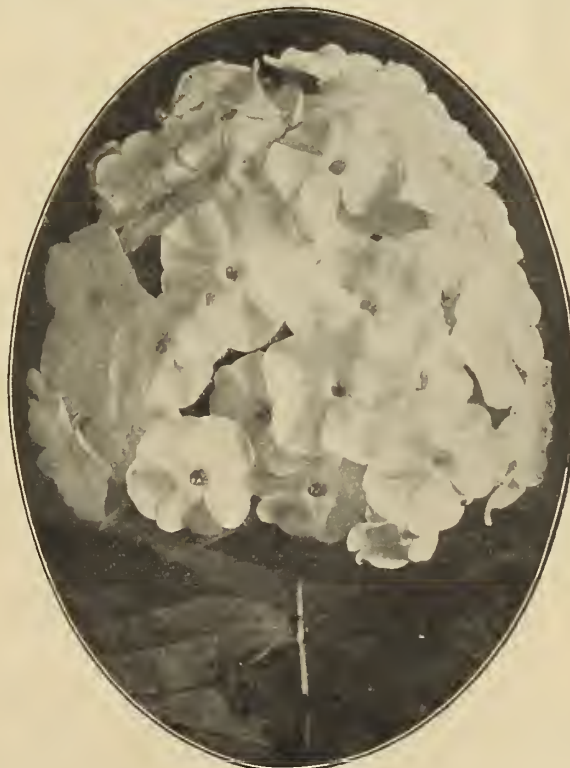
MISCELLANEOUS VARIETIES OF PHLOX

- Amoena.** A beautiful plant, with soft rose-colored flowers; one of the best for rockeries or borders; 4 inches high; April-May.
- Divaricata Canadensis.** A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May.
- Subulata Rosea (Moss Pink).** Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.
- Subulata Alba.** The same as Rosea, with pure white flowers.
- Subulata Lilacina.** A beautiful shade of lilac.

Price of any of the above Miscellaneous Phlox, 25c. each; doz., \$2.50; \$15.00 per 100.

PHLOX SUFFRUTICOSA, Miss Lingard

This variety differs from the others, in that the foliage and stem are deep green and glossy, and they begin to blossom in June and remain in bloom until October. Its color is purest white. 30c. each; dozen, \$3.00; \$18.00 per 100.



Hardy Phlox

OENOTHERA (Evening Primrose)

The evening Primroses are elegant subjects for growing in an exposed sunny position, either in the border or on the rockery.

Missouriensis. Large golden-yellow. 1 foot. 30c. each; \$3.00 per doz.; per 100, \$18.00.

PACHYSANDRA

An evergreen trailing plant, with thick, glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations.

Terminalis. Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 25c. each; doz., \$2.00; \$15.00 per 100.

PARDANTHUS (Blackberry Lily)

Chinensis. Lily-like flowers; orange-colored, spotted with purple-brown; 18 inches to 2 feet; flowering in June. 30c. each; doz., \$3.00.

PENTSTEMON (Beard Tongue)

Most useful showy perennials, either for the border or rockery. They are perfectly hardy.

Barbatus Torreyi. Spikes of brilliant scarlet flowers; height, 3 to 4 ft.; June to August.

Digitalis. Large spikes of long, purple-white flowers with purple throats; during June and July; 2 to 3 feet.

Price, 30c. each; doz., \$3.00; \$18.00 per 100.

PHYSALIS (Chinese Lantern Plant)

Francheti. An ornamental variety of the Winter Cherry, forming dense bushes, about 2 feet high, producing freely its bright orange scarlet lantern-like fruits; highly interesting. 30c. each; \$2.50 per doz.; per 100, \$15.00.

PHYSOSTEGIA (False Dragon-Head)

One of the most beautiful of our midsummer flowering perennials, forming dense bushes 4 to 6 feet high, bearing spikes of delicate tubular flowers, not unlike a gigantic heather.

Virginica. Bright but soft pink.

—**Alba.** Pure white; very fine.

Price, 30c. each; doz., \$3.00; \$18.00 per 100.

PINKS, HARDY GARDEN (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are splendid cut blooms.

Elsie. Bright rose with maroon centre.

Essex Witch. Delicate pink, finely fringed.

White Reserve. Classed as an everblooming variety, very double and pure white.

Price 30c. each; doz., \$2.50; \$15.00 per 100.

PLATYCODON**(Balloon Flower or Japanese Bell Flower)**

The Platycodons are closely allied to the Campanulas, and form neat, branched bushes of upright habit.

Grandiflorum. Deep blue cupped, star-shaped flowers.

—**Album.** A white-flowered form of the above.

Price, 30c. each; doz., \$2.50; \$15.00 per 100.

PLUMBAGO (Lead-wort)

Larpentae. One of the most desirable border and rock plants; it is of dwarf, spreading habit, growing 6 to 8 inches high, covered with deep blue flowers during the summer and fall months. 30c. each; doz., \$3.00; \$18.00 per 100.

POPPY (Oriental)

The gorgeous colored flowers of the Oriental type make a rich, brilliant show. These bloom usually in July. After the flowering period the plants have a tendency to take on the appearance as if they were dead, but they return to vigor usually as soon as the weather becomes cool.

Goliath. One of the most effective; flowers of a rich scarlet; the largest flowered of this class.

Mrs. Perry. A soft shade of salmon rose; a beautiful large flower. This variety should be in every garden.

Perry's White. Pure satiny white with a bold crimson blotch at the base of each petal. 50c. each; \$5.00 per doz.

Orientalis (The type). Brilliant scarlet with a black centre.

Price, except where noted, 35c. each; doz., \$3.50; \$20.00 per 100.

POPPY (Iceland)

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Flowers continuously the entire summer.

Orange, Yellow, White; each color separate. 30c. each; doz., \$2.50; \$18.00 per 100.

POTERIUM

Obtusatum. A gem for the border, with bright dark pink flowers of graceful feathery appearance. Blooms from July until September. 50c. each; doz., \$5.00.

PRIMULA (Hardy Primrose)

One of the first of the early spring flowers. Some of the varieties are richly colored, and are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting it can be highly recommended.

Veris (English Cowslip). A mixture comprising the various shades of red and yellow; a splendid plant for the spring blooming garden.

Vulgaris (English Primrose). Beautiful light canary yellow; long flower stems with large trusses.

Price, 30c. each; doz., \$2.50; \$15.00 per 100.

PULMONARIA (Lungwort)

Augustifolia Azurea (Blue Cowslip). A very charming plant with long, deep green leaves and panicles of blue flowers; 6 inches high. 30c. each; \$2.50 per doz.

PYRETHRUM (Giant Daisy)

Uliginosum. Grows 3 to 4 feet high and is covered with large white Daisy-like flowers, 3 inches in diameter, from July to September. 30c. each; \$3.00 per doz.; per 100, \$18.00.

RANUNCULUS (Buttercup; Crowfoot)

Aconitifolius fl. pl. (White Bachelor's Button; Fair Maids of France). Very ornamental; double white globose flowers; 2 feet; May and June. 30c. each; doz., \$2.50; \$18.00 per 100.

RUDBECKIA (Cone-flower)

Indispensable plants for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

Golden Glow. A well-known popular plant; a strong, robust grower, attaining a height of 5 to 6 feet, and produces masses of double golden-yellow Cactus Dahlia-like flowers from July to September.

Newmani. Dark orange-yellow flowers, with deep purple cone-borne on stiff, wiry stems 3 feet high; flowers from July to September.

Nitida "Autumn Sun." An attractive single-flowering variety, growing 5 to 6 feet high, with long, broad petals of bright primrose-yellow; August to October.

Purpurea (Giant Purple Cone-flower). Flowers about 4 inches across, of a peculiar reddish-purple with a remarkably large cone-shaped centre of brown; forms bushy plants 3 feet high and blooms from July to October.

Price, 30c. each; doz. \$3.00; per 100, \$18.00.

SALVIA (Sage)

Perennials with strikingly beautiful, orchid-like bloom, that make them welcome in the herbaceous border. Leaves are used in medicine and for the kitchen.

Argentea (Silvery Clary). Grown for its large ornamental, silvery-white foliage; flowers pinkish-white; 2 to 3 feet.

Azurea Grandiflora (Rocky Mountain Sage). Sky-blue flowers in greatest profusion; 6 feet.

Virgata Nemorosa. An interesting plant for the hardy border flower spikes bear many-flowered whorls of dark blue blossoms the unexpanded buds are light violet blue, forming a pleasing color combination. It continues in flower for about six weeks during the early summer months; 18 inches.

Price, 30c. each; doz., \$3.00.

SAPONARIA (Soapwort)

Very ornamental, dwarf-growing perennials; very attractive for the rockery or as an edging plant.

Caucasica fl. pl. (Double Flowering. Bouncing Bet). Double white flowers. 6 to 9 inches.

Ocymoides splendens (Rock Soapwort). Dwarf creeping habit rosy crimson flowers; 6 to 9 inches.

Price, 30c. each; doz., \$2.50.

SCABIOSA

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water; the average height is about 2½ feet. Very free flowering.

Caucasica. A delicate shade of lavender blue, starting in flower in June and lasting well through the summer.

Caucasica Alba. White. Like the above, except the color.

Price, 30c. each; doz., \$2.50; \$15.00 per 100.

SEDUM (Stonecrop)

Spectabile Brilliant. One of the prettiest tall growing species, reaching a height of about 18 inches; broad light green foliage and richly colored flowers of amaranth red. September-October. Price, 25c. each; doz., \$2.50; \$18.00 per 100.

SENECIO (Groundsel)

Pulcher. Forms a neat tuft of foliage from which springs up a succession of 2 feet high stems, with clusters of brilliant rosy purple flowers, of good size. 30c. each; \$2.50 per doz.

SOLIDAGO (Golden Rod)

Golden Wings. The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers from July to September. 30c. each; doz., \$2.50; \$15.00 per 100.

SPIRAEA (Goat's Beard, Meadow Sweet)

Elegant border plants with feathery plumes of flowers and neat, attractive foliage; succeed best in a half-shaded location.

Aruncus. A noble variety, 3 to 5 feet high, producing in June and July long, feathery panicles of white flowers.

Filipendula Fl. Pl. (*Double-flowered Dropwort*). Numerous corymbs of double white flowers on stems 15 inches high, during June and July, and pretty fern-like foliage.

Palmata (Crimson Meadow Sweet). One of the most beautiful hardy plants; the deep purple red of the stems and branches passing into the crimson purple of the broad corymbs of flowers, which are produced very freely during June and July; 3 feet. Price, 35c. each; doz., \$3.50; \$20.00 per 100.

STATICE (Sea Lavender)

Latifolia (Great Sea Lavender). A handsome border plant with heads of dark blue flowers; invaluable for cutting, the flowers, when dried, lasting for months. 1 to 2 feet.

Eximia fl. alba (White Sea Lavender). Beautiful heads of light and graceful white flowers. Useful for table decoration. 1 foot. Price, 30c. each; doz., \$2.50.

STOKESIA (Cornflower Aster)

The flower has the appearance combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Succeeds in most any location.

Cyanea. Very light blue.

Cyanea Alba. Pure white.

Price of the above, 30c. each; doz., \$2.50; \$15.00 per 100.

SWEET WILLIAM (Dianthus Barbatius)

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect; for just when they are in flower it is generally too soon for other perennials. For wild garden effect, Sweet Williams occupy first place.

Michell's Prize Mixture. In all colors.

Pink Beauty (Sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty. Price, 20c. each; doz., \$2.00; \$15.00 per 100.

TANACETUM (Tansy; Costmary; Bible Leaf)

These are odorous plants with variously cut leaves, and pretty little flowers, thriving in any situation and of the easiest culture. The leaves were formerly used as bookmarks because of their fragrance, and hence the popular name Bible Leaf.

Vulgare (Tansy). Golden yellow flowers and beautiful sprays of fern-like foliage. 3 feet. June to August. 30c. each; doz., \$3.00.

THALICTRUM (Meadow Rue)

Very graceful, pretty flowered plants, with finely cut foliage; great favorites for planting in the hardy border; the dwarfier varieties also being effective and useful in the rockery.

Adiantifolium. A beautiful variety, with foliage like the Maiden Hair Fern and miniature white flowers in June and July; 1½ to 2 feet.

Glaucum. Fine cut foliage; bronzy-yellow flowers in June; 2 feet. Price 30c. each; \$2.50 per doz.; \$18.00 per 100.

THERMOPSIS

Caroliniana. A showy, tall-growing plant, attaining a height of 3 feet, producing long spikes of yellow flowers in June and July. 30c. each; per doz., \$2.50; \$18.00 per 100.

TIARELLA (Foam Flower)

Purpurea Major. An attractive variety, forming a neat, compact clump; the foliage is unusually bright, as it expands in the spring; bears long spikes of salmon-red flowers. 30c. each; per doz., \$2.50.

TRADESCANTIA (Spider Wort)

Virginica. Produces a succession of blue flowers all summer; 1½ to 2½ feet. 30c. each; per doz., \$2.50.

TRILLIUM (Wood Lily, or Wake Robin)

Excellent plants for shady positions in the hardy border, or in a sub-aquatic position, flowering in early spring; 12 to 18 inches.

Erectum. This is the Purple Wood Lily; the earliest to flower.

Grandiflorum. The largest white; probably the handsomest.

Price, 20c. each; per doz., \$2.00; \$15.00 per 100.

TRITOMA

(Red-hot Poker, Flame Flower or Torch Lily)

One of our most effective Fall-flowering plants, admirably adapted for single clumps on the lawn, in the border, or among the shrubbery, where its tall spikes of brilliant flowers make a fine display from July until Nov. Should be well protected in Winter.

Pfitzerii. The freest-flowering of all; immense spikes of orange-scarlet, shading to salmon rose at tips. Very choice.

Price, 30c. each; per doz., \$3.00; \$18.00 per 100.

TROLLIUS (Globe Flower)

Desirable free-flowering plants, producing giant Buttercup-like blossoms on stems 1 to 2 feet high from May until August.

Goldquelle. Rich golden yellow.

Japanese Excelsior. A beautiful variety, with deep orange flowers.

Price, 35c. each; doz., \$3.50; \$18.00 per 100.

VALERIANA (Valerian)

Coccinea. Showy heads of reddish flowers; June to October; 2 feet.

— **Alba.** A white-flowered form.

Price, 30c. each; per doz., \$2.50.

VERBASCUM (Mullein)

Olympicum. A tall variety, with yellow flowers; 8 feet. May, June.

Phoeniceum. A distinct and valuable species, with purple and pink flowers. 2 feet. June, July.

Price, 30c. each; doz., \$2.50.

VERONICA (Speedwell; Cancerwort)

A large and much cultivated group of blue-flowered perennials, great favorites in the hardy garden. The taller forms are very pretty border plants, while the more dwarf, spreading forms are well adapted to the rockery. Unexcelled for cutting purposes.

Amethystina (Bastard Speedwell). Amethyst-blue flowers on short spikes; one of the best. 1 to 3 feet. May to June.

Incana (Hoary Speedwell). White, woolly plant, tufted, with pale blue flowers; has a good appearance both in and out of bloom; useful in the rockery, border or geometrical garden. 1 foot to 18 inches. July to August.

Longifolia Subsessilis (The Blue Jay Flower). A strong grower and undoubtedly the finest of all the Veronicas; rich blue flowers on tall spikes. Fine for cutting; 3 feet; July, August.

Spicata. Long spikes of bright blue flowers; 2 feet; June to August.

Price, 30c. each; per doz., \$3.00; \$18.00 per 100.

VINCA (Periwinkle or Myrtle)

Minor. Well-known, hardy plants, with evergreen foliage and singularly pretty, dark blue flowers, which appear in Spring and Fall; grows equally well in shade as in full sun. Much used in cemeteries. Extra strong plants. 20c. each; doz., \$2.00; \$12.50 per 100.

VIOLAS OR TUFTED PANSIES

(Viola Cornuta)

The improved forms of Viola Cornuta are one of the important bedding plants of Europe, and are rapidly growing in favor here. They flower continuously for nearly eight months in the year; and while their flowers are not so large as those of the Pansy, their bright colors and free-flowering qualities make them welcome additions to any garden.

Blue Perfection. Deep purplish-blue.

Lutea Splendens. Rich golden yellow.

White Perfection. A fine white.

Price, 20c. each; per doz., \$2.00; \$12.50 per 100.

YUCCA (Adam's Needle)

Filamentosa. A handsome, evergreen plant, with sword-like foliage and spikes of fragrant, drooping, bell-shaped, creamy white flowers during June and July, making a tropical effect. Extra strong plants, 35c. each; doz., \$3.50; \$20.00 per 100.

Vines play an important part in the landscape of the home. There are so many purposes they fill that we cannot recommend too highly their general use.

AKEBIA—Quinata. Quick-growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants, 50c. each; dozen, \$5.00.

AMPELOPSIS—Quinquifolia (*Virginia Creeper*). The large handsome, dark green leaves are deeply cut into five lobes. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 35c. each; per dozen, \$3.50.

AMPELOPSIS—Veitchii (*Boston Ivy*). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. Strong plants, 50c. each; per dozen, \$5.00; \$35.00 per 100.

ARISTOLOCHIA—Sipho (*Dutchman's Pipe*). Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. Large plants, \$1.25 each.

BIGNONIA (*Trumpet Vine*). These are strong-growing vines, with rich green foliage and trumpet-shaped flowers.

Radicans. Free flowering; dark red, throat shaded orange. Strong plants, 75c. each.

CELASTRUS (*Bittersweet or Waxwort*)—**Scandens.** A vine of rapid growth. In the early summer it produces yellow flowers, which by autumn have turned to bright, orange-colored fruits, with red markings. Extra strong plants, 50c. each; per doz., \$5.00.

CLEMATIS. This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather.

Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure or leaves around the roots.

Coccinea. Bright red, bell-shaped, small flowers, which begin to appear in June and last until frost. 75c. each; doz., \$7.50.

Crispa. This variety bears sweet-scented, lavender flowers. 75c. each; doz., \$7.50.

Henryi. Creamy white; large single flowers, borne in great profusion. 75c. each; doz., \$7.50.

Jackmanni. Violet-purple; intensely colored, gigantic flower. 75c. each; doz., \$7.50.

Mme. Baron Veillard. Large flowering; rich, reddish purple. 75c. each; doz., \$7.50.

Mad. Edouard Andre. Velvety red. Flowers are well formed and of great substance; the blooms are gigantic. 75c. each; doz., \$7.50.

Paniculata (*Japanese Virgin's Bower*). A strong, luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 30c. each; per doz., \$3.00; \$18.00 per 100. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.



Clematis Paniculata

CINNAMON VINE. A very free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. These can be mailed. Extra strong roots, 10c. each; per dozen, \$1.00; \$7.00 per 100.

COBEA—Scandens (*Annual*). A beautiful blue, cup-shaped flowering annual climber; very desirable for lattice covering, etc. Extra strong plants, 4 in. pots, 30c. each; per doz., \$3.00.

EUONYMOUS—Radicans Variegata. Self-clinging vine, suitable for covering walls, stumps or rockeries, or wherever a vine of slow growing habit is desired. Leaves are variegated. 30c. each; doz., \$2.50; \$18.00 per 100.

Euonymous Radicans. Deep green foliage, otherwise like the above variety; valuable for covering low walls. 30c. each; doz., \$2.50; \$18.00 per 100.

Euonymous Vegetus. This plant is regarded far too little in importance as a strictly A-1 variety for climbing stone walls of buildings or otherwise; it ranks favorably with English Ivy, except that it is evergreen and does not winter kill or shed its foliage. The foliage is larger than that of the type Radicans, and the plant produces an orange-colored berry, which remains on the plant the most part of the winter. Euonymous Vegetus should be planted more extensively than it is. 30c. each; doz., \$2.50; \$18.00 per 100.

HONEYSUCKLE. This favorite requires very little comment or description; always yielding in their season a wealth of fragrant bloom.

Chinese Evergreen. Yellow and white variegated flowers; very fragrant; blooms the entire season.

Halliana (*Hall's Honeysuckle*). Flowers pure white, turning to yellow; fragrant; hardy evergreen; flowers from June until frost.

Red Coral or Scarlet Trumpet. Bright red, trumpet-shaped flowers. Bloom all summer. Extra strong plants only. 50c. each; doz., \$5.00.

Variegated (*Aurea Reticulata*). Foliage beautifully mottled yellow and green; flowers white and yellow.

Price of any of the above Honeysuckles, 4 in. pot-plants, 50c. each; doz., \$5.00; \$30.00 per 100. 6 in. pot-plants, 75c. each; doz., \$7.50; \$50.00 per 100.

HOP VINE—Japanese. A rapid grower, with dark green foliage, and bears a profusion of seed-pods, suitable for many domestic purposes. Strong pot-plants, 25c. each; doz., \$2.50.

IVY (English). This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4 in. pot-plants, 35c. each; per doz., \$3.50; \$25.00 per 100. 6 in. pot-plants, \$1.00 each; doz., \$10.00. We also have a few fine plants in 12 in. tubs, made up for specimens, about 3 ft. high. \$3.50 each.

KUDZU (Pueraria). This vine grows a foot a day and makes a dense covering; exceedingly attractive. Towards the end of summer it produces small, rosy-purple flowers. 25c. each; doz., \$2.50; \$18.00 per 100.

LATHYRUS (Hardy Pea). This is a splendid plant for training on pillars, columns and similar places; it flowers during the greater part of the summer, and is a really splendid cut flower, lasting well, and very effective.

Latifolius, White Pearl. Pure white, giant flower trusses. 50c. each; doz., \$5.00.

Latifolius, Pink Beauty. Beautiful rose pink. 30c. each; doz., \$3.00.

Latifolius Crimson. Rich red. 30c. each; doz., \$3.00.

Latifolius Albus. Pure white. 30c. each; doz., \$3.00.

LYCIUM (Matrimony Vine)—Barbarum. A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries, which remain until late winter. 50c. each; doz., \$5.00.

MADEIRA OR MEXICAN VINE. The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small; white in color. Strong roots, 15c. each (single roots, mailed free); per doz., \$1.50; \$10.00 per 100 by express.

MOON VINE—Learii (Blue Dawn Flower.) (Annual.) Enormous blooms of an intense violet shade, frequently 4 or more inches in diameter. Planted amongst the white variety, the effect is charming. The Learii type blooms all day. Extra strong plants. 25c. each; doz., \$2.75.

MOON VINE—Noctiflora. (Annual.) A pure white variety, blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. Extra strong plants, 25c. each; doz., \$2.75; \$17.50 per 100.

Testimonial

Dayton, Ohio.

The plants sent are certainly very fine. You will hear from me next Spring with a much, yes very much, larger order.

T. F. B.



Polygonum Auberti

POLYGONUM AUBERTI A Wonderful Climbing Plant

For porches, lattice work, fences, pergolas and buildings. A useful vine which is perfectly hardy and free from disease or pests. It is quick growing, a small plant will make twenty-five to thirty feet of growth the first summer, and produces clouds of snowy white flowers, borne in long clusters, which turn rose color with age. The foliage is clean looking and attractive, and apart from its wonderful flower effect will please everyone by its appearance. It will not cling to the wall, but will ramble over anything that will support it.

Strong pot-grown plants, \$1.00 each; per dozen, \$10.00.

WISTARIA. This flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously by an extra growth and an abundance of flowers.

Chinensis (Chinese Wistaria). Pale blue; somewhat fragrant. Extra strong plants, \$1.25 each.

Chinensis Alba. A beautiful white flowering form of the above. Extra strong plants, \$1.25 each.

"Hardy Perennials and How to Grow Them"

A comprehensive treatise of 48 pages, including plants for hardy borders, together with a complete list of varieties. This book is free. Send for a copy.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply climbing plants and vines of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee climbing plants and vines to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.



A privet hedge is much more attractive than the best fence

BERBERIS THUNBERGII (Japanese Barberry)

A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly, with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Height	Each	Doz.	100
1 to 1½ ft.	\$0.30	\$3.00	\$18.00
1½ to 2 ft.	.35	3.50	20.00

MICHELL'S HYDRANGEA HORTENSIS

This class of Hydrangeas is seen planted extensively at the North Atlantic seashore and inland resorts. They seem to do especially well in these localities. It has been the general opinion that the plant is not hardy, but in many places it is not afforded even the slightest protection, although we recommend that care be taken, especially for the first few years after planting, and especially so with the French sorts, to protect them over winter with a covering of manure or other suitable litter, and also to wrap the plants in burlap, straw or even paper will do, as this will protect the flower buds, which are often injured in severe winters, although the plants otherwise do not suffer. If winter protection is used, same should not be removed until all danger of frost is over, otherwise the tender shoots are nipped in the cold nights of early spring, and few flowers are the result. These varieties of Hydrangeas often change their colors; for instance, pink varieties will sometimes turn blue. If, however, it is desired to change pink Hydrangea blue and the latter pink, this can be usually accomplished by incorporating into the soil a few handfuls of soot or iron filings. Lump alum broken into small pieces and incorporated into the soil, about ¼ lb. to each plant, will usually produce the same results.

FRENCH HYDRANGEAS (Popular Varieties)

This class makes much larger flower heads than the old-fashioned Otaksa and comes in various forms, such as fringed flowers, different shades of pink, and also white. They are not as dependably hardy as the Otaksa variety, but if planted in a sheltered place and protected during the winter they do usually carry through. **Baby Bimbenet.** Large compact trusses of silvery-rose flowers. **General de Vibraye.** Enormous flowers of a bright rose color. **Mme. Emile Moulliere.** Pure white, with rich carmine eye. **Radiant.** Brilliant rose pink; bright and showy.

Prices of French Hydrangeas

	Each	Doz.	Each	Doz.
2½-in. Pots.	\$0.25	\$2.50	6-in. Pots.	\$1.00
4 -in. Pots.	.60	6.00		\$10.00

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply hedge plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee hedge plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

CALIFORNIA PRIVET

Unlike a fence, which needs painting, repainting, etc., and then never looks well, this hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in beauty with each successive year. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick, dense growth. Plant from October 15th till the ground freezes, and from March 15th to May 15th.

Height	Doz.	100	1000
1-yr. old, 18 to 24 in.	\$1.25	\$6.00	\$50.00
2-yr. old, 24 to 30 in.	1.50	8.00	70.00
3-yr. old, 30 to 36 in.	2.00	9.00	80.00

NOTE.—Our privet is especially fine and will give splendid satisfaction.

GOLDEN OR VARIEGATED LEAVED PRIVET

Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. It is quite new and the stock is limited; when available it will become very popular. We recommend it especially for placing among shrubbery or for planting on the lawn; the contrast between the grass and golden foliage is beautiful.

Bushy Plants, 15 to 18 in. high, \$1.25 each; doz., \$12.00.

HYDRANGEA OTAKSA

This is the old-fashioned favorite Japanese variety that usually flowers pink. It produces enormous flower trusses in great numbers. The plant increases in size and flowering ability each year and is the ideal variety for planting extensively at the seashore.

	Each	Doz.		Each
2½-in. Pot Plants.	\$0.25	\$2.50	7-in. Pot Plants.	\$1.50
4 -in. Pot Plants.	.60	6.00	12-in. Pot Plants.	5.00
6 -in. Pot Plants.	1.00	10.00		

NOTE.—Except on southern orders or in cases where customers have greenhouses, we do not ship this class of plants out until May unless especially requested to do so. Where customers desire them shipped prior to our usual shipping date, we can forward at their risk of loss.



Hydrangea, Otaksa

Plants travel best by Express. No plants sent C. O. D.

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SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply decorative shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee decorative shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

ALMOND, FLOWERING (*Amygdalus*).—**Rubra Flore Pleno Nana**. Erect slender branches, which are covered in May with small, very double, fragrant, pink flowers. Strong plants 2-3 feet, \$1.00 each; 6 for \$4.00; \$7.50 per dozen.

BARBERRY, JAPANESE (*Berberis*).—See Page 116.

BUTTERFLY BUSH (*Buddleja*).—**Variabilis Magnifica**. Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. Pot plants, 30c. each; doz., \$3.00; \$20.00 per 100.

CRAB (*Malus*).—**Bechtel's Double Flowering**. Grows medium height, producing large double flowers of wonderful fragrance. 2 to 3 ft. high, \$2.50 each. 3 to 4 ft. high, \$3.75 each.

DEUTZIA.—The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive.

Candidissima Fl. pl. Abundant racemes of double, pure white flowers in June; luxuriant foliage, and fine habit. 4 ft. plants.

Crenata Rosea Fl. pl. Double flowering; white tinged pink. 4 ft.

Gracilis. Of dwarf, bushy habit. White flowers. 18 inches. Price of the above, 75c. each; doz., \$7.50.

DOGWOOD (*Cornus*).—This plant is so well known that it hardly needs description. The flowers appear before the foliage in May. In autumn it takes on a rich crimson shade.

Florida (*White Flowered Dogwood*). Strong plants; 4 to 5 ft., \$2.00 each; doz., \$20.00.

Rubra (*Pink Flowered Dogwood*). 3 to 4 ft., \$3.25 each.

EUONYMOUS.—**Japonica Aurea Var.** Beautiful deep green and yellow margined foliage; a splendid evergreen. 12 to 15 inch plants, \$1.50 each; doz., \$15.00.

GLOBE FLOWER OR CORCHORUS (*Kerria*).—Shrubs with light green branches. Does well in any soil, in shaded or open locations, flowering in May and June.

Double-flowered. Of medium size; double yellow flowers. Plants, 1½ feet high, 75c. each; per doz., \$8.50.

GOLDEN BELLS (*Forsythia*).—Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare.

Fortunei. Erect growing with dark green foliage; strong plants, 4 ft., 75c. each; doz., \$8.50.

GOLDEN CHAIN (*Cytisus*).—**Laburnum**. A large shrub with shining green leaves and long, drooping racemes of yellow flowers, which appear in early summer, 5 ft. plants, 75c. each; doz., \$7.50.

HONEYSUCKLE (*Lonicera*).—**Japanese Bush, Morrowi**. An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 3 feet, 75c. each; doz., \$8.50.

HYDRANGEA.—**Arborescens Grandiflora Alba** (*Snowball Hydrangea*). The snow-white blooms are of the largest size, coming into flower early in June and lasting until late in August. Is more hardy than any other sorts and especially suited for shaded places. 2 to 2½ ft., 75c. each; doz., \$8.50.

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form, 2 to 3 ft. plants, 75c. each; per doz., \$8.50. Extra strong stock, 3 to 4 ft., \$1.25 each; per doz., \$12.00.

Paniculata Grandiflora (*Standard or Tree Shaped*). These are fine, planted as individual specimens in the lawn or in the centre of beds, containing other plants. Stems, 2 to 2½ feet long with shapely heads, \$3.00 each.

Otaksa and French Varieties—See Page 116.

Shipping Seasons are usually from March 15th to May 1st and from October 15th to November 15th.

JUDAS OR RED BUSH (*Cercis*).—**Canadensis**. A tall, slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers. 4 to 6 feet plants, \$1.00 each; doz., \$11.00.

LILACS.—**Persian**. Early purple flowering; very profuse. 18 to 24 inches high, 75c. each; doz., \$8.50.

Vulgaris. Common purple, sweet-scented lilac. 30 inches high, 75c. each; doz., \$8.50.

Vulgaris Alba. Pure white type of the above, but more fragrant. 18 to 36 inches high, 75c. each; doz., \$8.50.

White Persian. Very early flowering; pure white; sweet scented. 36 to 48 inches high, 75c. each; doz., \$8.50.

MOCK ORANGE (*Philadelphus*).—A shrub that can always be depended upon to give splendid satisfaction. In May and June the bushes are literally covered with flowers.

Coronarius. Handsome foliage and beautiful white flowers, quite fragrant. Plants, 2 feet, 75c. each; doz., \$8.50.

PEPPER BUSH, SWEET (*Clethra*).—**Alnifolia**. Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. 2 to 3 feet, 75c. each; doz., \$8.50.

PLUM (*Prunus*).—**Pissardi** (*Purple-leaved*). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost; have small pinkish white flowers in early spring. Plants, 5 to 6 feet, \$1.50 each; doz., \$15.00.

QUINCE (*Pyrus*).—**Japonicus** (*Japan*). This shrub is a beautiful sight when covered in the early spring with cherry-red flowers, about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince Jelly or preserves. Extra strong plants, 2 ft., 75c. each; doz., \$8.50.

ROSE OF SHARON (*Althea*).—These thrive almost anywhere, producing their bloom from July till September.

Alba Plena. Pure white; double.

Atropurpurea Plena. Double purple.

Duchess de Brabant. Double; deep red.

Totus Albus. Single; pure white.

Plants, 2 to 2½ feet high, 75c. each; doz., \$8.50.

SNOWBALL (*Viburnum*) **Plicatum** (*Japanese Snowball*). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. Extra fine plants, 3 to 4 feet, 75c. each; doz., \$7.50.

Opulus Sterilis (*Guilder Rose or Snowball*). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, 3 to 3½ feet, 75c. each; doz., \$7.50.

SNOWBERRY (*Symphoricarpus*) **Racemosus**. Small red flowers are succeeded by many white berries, remaining on the plant through half the winter; strong plants, 75c. each; doz., \$8.50.

SPIREA. **Anthony Waterer**. Of dwarf, dense habit, bearing a profusion of crimson flowers. 18 inches, 75c. each; per doz., \$8.50.

Prunifolia (*Bridal Wreath*). The pretty double white flowers are all along the almost leafless stem about May 1st, just as the leaves are budding. Splendid plants, 3 feet, 75c. each; per doz., \$8.50.

SWEET SHRUB (*Calycanthus*).—**Floridus**. Chocolate-colored, double flowers, with a peculiar agreeable odor. Blooms in June. 3 to 4 feet, 75c. each; doz., \$8.50.

WEIGELIA Amabilis. A pink flowering variety in bloom during June and July; extra strong plants, 2 to 4 feet, 75c. each; doz., \$8.50.

Candida. Flowers abundantly in June and July; additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. Plants, 4 feet, 75c. each; doz., \$8.50.

Eva Rathke. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts, 2 to 3 feet, 75c. each; doz., \$8.50.

WHITE FRINGE (*Chionanthus*).—**Virginica**. In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants, 2 to 2½ feet, 75c. each; doz., \$8.50.



Evergreens offer a wide variety and brilliant diversity of color, every shade of green and blue foliage; then there are the rich golden tints, the soft silvery grays and those varieties with the dainty white-tipped leaves.

Evergreens are much desired for specimen lawn trees; they are also extensively used for massing, shelter belts, screens and hedges. The taller varieties form perfect backgrounds for the showy flowering shrubs and trees of early spring, the berries of autumn, the bright bark and twigs of winter, or the light green, golden or silver-blue growth of smaller evergreens.

This list includes the varieties mostly in demand.
We can furnish all other sorts.

See Page 119 for Special Notice on Guarantee.

ARBORVITAE (*Thuja*). These are chiefly of upright habit, not growing overly tall; exceedingly hardy; of a brilliant green all through the bleakest winter; splendid for backgrounds, windbreaks or garden fences.

T. occidentalis (*American Arborvitae*). A well-known, popular evergreen for ornamental hedges; rapid growth. 2 to 3 feet, \$2.25; 3 to 4 feet, \$4.50; 5 to 6 feet, \$7.50.

T. occidentalis pyramidalis (*Pyramidal Arborvitae*). The most narrow, columnar-like evergreen; medium growth; very distinct light green, compact foliage. Very effective in landscape work. 18 to 24 inches, \$2.25; 2 to 3 feet, \$4.50; 3 to 4 feet, \$7.50.

T. orientalis elegantissima (*Golden Oriental Arborvitae*). Medium size; upright pyramidal torch-like form; foliage flaky, tipped with yellow, giving it a bright golden color all summer and autumn, and turning bronze-brown in winter. 2 to 3 feet, \$5.00; 3 to 4 feet, \$8.25; 4 to 5 feet, \$12.50.

T. occidentalis compacta (*Compact Arborvitae*). Dwarf, dense little evergreens, having light green foliage and neat attractive habit. For beds, borders, cemeteries, or house decoration it is highly popular. 12 to 18 inches, \$2.25; 2 to 2½ feet, \$5.00.

CYPRESS, JAPANESE (*Retinospora*). The many varieties vary considerably in their general appearance and nature of growth; all of them can be clipped occasionally to keep them within growing boundary. The shades of colors are numerous, so that an assortment of them makes a handsome effect.

R. obtusa nana. A slow-growing dwarf variety. It is popular in Japanese gardens, and attracts much attention. 12 to 18 inches, \$5.75; 18 to 24 inches, \$7.50.

R. plumosa aurea. The most popular and generally useful of all the golden evergreens. Especially ornamental, and the soft, plume-like golden foliage is particularly bright in spring. A vigorous grower and unsurpassed for color effect. 12 to 18 inches, \$2.25; 2 to 3 feet, \$5.00; 3 to 4 feet, \$6.25; 4 to 5 feet, \$9.50.

FIRS (*Abies*).—Quick-growing and very hardy; make an attractive decoration; of pyramidal growth and symmetrical outline.

A. concolor (*Silver Fir of Colorado*). Of graceful habit; broad, handsome foliage, bluish above, silvery beneath. 2 to 3 feet, \$7.00; 3 to 4 feet, \$12.50; 5 to 6 feet, \$18.75.

A. nordmanniana (*Nordmann's Silver Fir*). Slow growth; hardy; eventually large, dark green, massive foliage, silvery underneath; broad and compact. Splendid as a specimen tree. 2 to 3 feet, \$8.75; 3 to 4 feet, \$12.50; 5 to 6 feet, \$18.75.

JUNIPERS (*Juniperus*). These possess remarkable vigor and thrive in bleak situations, in poor, stony soils and barren lands in low and damp places at the seashore, in fact, most anywhere.

J. japonica (*Japanese Juniper*). Of dense bushy growth, with light green and glaucous foliage. 1½ to 2 feet, \$4.50; 6 to 7 feet, \$18.75.

J. hibernica (*Irish Juniper*). Very useful in formal planting screenings for small yards and cemeteries. 1 to 2 feet, \$2.25; 2 to 3 feet, \$4.50.

J. virginiana glauca (*Blue Virginia Cedar*). Rich, silvery-blue foliage; keeps color well throughout the entire year. 2½ feet high, \$5.00; 3 to 4 feet, \$7.50.

J. pfitzeriana. A beautiful new form, with graceful dark green foliage. One of the most attractive of evergreens. 2½ feet high, \$7.00; 3 to 4 feet, \$9.50.

SPRUCE (*Picea*). Probably better known and more largely planted than any of the other evergreens; they are hardy, tall and rapid growers; reliable in almost any locality, living for many years. Suitable for planting as specimens, while some varieties are used for hedges and windbreaks.

P. canadensis (*Hemlock Spruce*). A rapid grower; very hardy and not particular as to soil. If trimmed, it becomes dense and bushy, making beautiful hedges. 2 to 3 feet, \$5.00; 3 to 4 feet, \$7.00; 4 to 5 feet, \$9.50.

P. excelsa (*Norway Spruce*). Rapid grower; does well in most soils. It is highly valued for shelters, windbreaks or hedges. 2 to 2½ feet, \$2.25; 2½ to 3 feet, \$3.75; 4 to 5 feet, \$6.25.

P. kostermaniana (*Koster's Blue Spruce*). A deep rich blue. This is one of the finest ornamental evergreens ever introduced and a specimen or two on the lawn adds dignity and beauty hard to describe. 1 to 1½ feet, \$4.50; 1½ to 2 feet, \$6.25; 2 to 3 feet, \$10.75; 4 to 5 feet, \$18.75.

P. pungens (*Colorado Spruce*). The foliage is of various tint of green and blue; a popular sort. 1½ to 2 feet, \$3.25 each; 2 to 2½ feet, \$4.50 each; 2½ to 3 feet, \$6.25.

PINE (*Pinus*). These will endure a wide range of climatic conditions, being native in the lowlands or the mountains, and will withstand cold, bleak winds. Useful on lawns and on public grounds. They are in variety so that a suitable sort may be selected for almost any purpose.

P. austriaca (*Austrian Pine*). 1½ to 2 feet, \$3.25 each; 3 to 4 feet, \$9.50 each.

P. mugho (*Mugho Pine*). A low growing, broad spreading tree. It is more of a large pine bush than a tree, and is very ornamental. 1 to 2 feet, \$5.00; 2 to 3 feet, \$9.50.

YEWS (*Taxus*). These are a small growing evergreen, highly ornamental; effective in groups or bed plantings.

T. baccata (*English Yew*). A densely branched, spreading bush of a dark sombre hue; one of the best evergreens for clipping into artificial forms. 2 to 3 feet, \$6.25; 3 to 4 feet, \$15.00.

T. cuspidata brevifolia. The branches are spreading and the general aspect is less dense than the common Yew. Perfectly hardy. 1½ feet, \$6.25; 2 feet, \$7.50.

No Plants sent C. O. D. Ask for estimates on large numbers of Evergreens

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MICHELL'S DECIDUOUS SHADE TREES.



This list includes the varieties mostly in demand. We can furnish all other sorts.

- Beech (Purple)** *F. sylvatica purpurea*. The foliage in spring is a deep purple, changing later to green. Should be closely pruned when transplanted. 4 to 5 feet, \$4.50; 5 to 6 feet, \$7.00.
- Beech (Purple Rivers)** *F. sylvatica Riversii*. Where a large growing tree with purple foliage is wanted, nothing equals this. The leaves are always a rich shade, sometimes crimson and sometimes almost black. 4 to 5 feet, \$5.00; 6 to 8 feet, \$8.75.
- Beech (Weeping)** *Fagus sylvatica pendula*. Irregular in outline, and has a picturesque beauty peculiar to itself. Its twisted and contorted branches resemble living fountains of foliage. 4 to 5 feet, \$6.25; 8 to 10 feet, \$17.50.
- Birch (Cut-Leaved Weeping)** *Betula laba laciniata pendula*. Tall, slender, with graceful drooping branches, silvery-white bark and delicately cut foliage. 8 to 10 feet, \$5.00; 10 to 12 feet, \$7.50.
- Birch (Young's Weeping)** *B. Youngi pendula*. Droops gracefully to the ground in fine, thread-like shoots. One of the most beautiful of the Weeping Birches. 4 to 5 feet, \$6.25; 5 to 6 feet, \$9.50.
- Dogwood (Cornus)**. See Page 117.
- Elm (American)** *Ulmus americana*. One of the finest street shade trees in the world. 8 to 10 feet, \$3.75; 10 to 12 feet, \$5.00.
- Horse Chestnut** (*Aesculus hippocastanum*). The flowers are large, white, spotted with purple and produced in large, compact spikes. A fine shade tree. 8 to 10 feet, \$4.50; 10 to 12 feet, \$6.25.
- Larch (European)** *Larix decidua*. A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 4 to 6 feet, \$3.75.
- Linden (American)** *T. Americana* (Basswood). The largest-growing Linden. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. 8 to 10 feet, \$4.50; 10 to 12 feet, \$6.25.
- Linden (European)** *Tilia europaea*. Leaves smaller and darker than those of the American Linden; form a dense shade. 8 to 10 feet, \$5.00; 10 to 12 feet, \$7.00.
- Magnolia Soulangeana**. A low spreading tree, covered early in the spring before the leaves appear with large flowers, purple at the base and white in the upper half of the petals. 3 to 4 feet, \$5.00; 4 to 5 feet, \$8.75.
- Malus (Bechtel's Double-flowering Crab)**. The tree is of medium growth, and the flowers of immense size, of a beautiful pink color; highly fragrant. Very double. 2 to 3 feet, \$2.50; 3 to 4 feet, \$3.75.
- Maple (Norway)** *A. platanoides*. One of the finest park, street or lawn shade trees in America; of rounded form, compact habit and stout, vigorous growth. 8 to 10 feet, \$4.50; 10 to 12 feet, \$5.75; 12 to 14 feet, \$7.50.
- Maple (Sugar)** *A. saccharum*. Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 10 to 12 feet, \$5.00; 12 to 14 feet, \$8.25.
- Maple (Silver)**. *Acer dasycarpum*. Of rapid growth; extensively planted for ornament and shade. 10 to 12 feet, \$3.75; 12 to 14 feet, \$6.25.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees, plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants, trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

Mountain Ash (*Sorbus aucuparia*). A handsome native tree. In autumn and early winter the tree is clothed with large clusters of red berries. 8 to 10 feet, \$6.25.

Mulberry (Teas' Weeping) *Morus alba pendula*. Forms a perfect umbrella-shaped head, with slender, willowy branches, drooping to the ground. 2-year heads, \$6.25.

Oak (Scarlet) *Quercus coccinea*. A large, well-shaped tree; in the fall the foliage changes to a brilliant scarlet. 7 to 8 feet, \$5.00; 8 to 10 feet, \$6.25.

Oak (Pin) *Q. palustris*. Foliage deep green and finely divided. The leaves become a shade of scarlet and yellow in autumn. It thrives in almost any soil. 8 to 10 feet, \$5.00; 10 to 12 feet, \$7.50; 12 to 14 feet, \$9.50.

Plane (Oriental) *Platanus orientalis* (Buttonwood). A favorite tree for avenue and seashore planting; of large spreading habit and rapid growth; not affected by insects. Leaves large, smooth and handsome, affording abundant shade. 8 to 10 feet, \$3.75; 10 to 12 feet, \$5.75; 12 to 14 feet, \$7.50.

Poplar (Carolina) *Populus caroliniana*. Good in almost any location. 10 to 12 feet, \$3.75.

Poplar (Lombardy) *P. nigro fastigiata* var. *Italica*. Its tall form, sometimes reaching 120 feet, makes it indispensable in landscape effects for breaking monotony of outline. 8 to 10 feet, \$3.75; 10 to 12 feet, \$4.50; 14 to 16 feet, \$7.50.

Salisbury (*Maiden Hair Tree*). One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maiden Hair Fern. 6 to 8 feet, \$3.75; 8 to 10 feet, \$5.00.

Sweet Gum (*Liquidambar styraciflua*). A rapid-growing tree, thriving in a great variety of soils. The leaves are roundish, but with five to seven pointed, spreading lobes. In autumn they assume a rich bronze and crimson. 6 to 8 feet, \$3.75; 8 to 10 feet, \$5.00.

Tulip Tree (*Liriodendron tulipifera*). A popular native deciduous tree, sometimes attaining a height of 75 to 100 feet. 6 to 8 feet, \$3.75; 10 to 12 feet, \$6.25.

Umbrella Tree (*Catalpa bungei*). For the lawn the Catalpa bungei is very effective. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. On the terraces when used in connection with the California Privet hedge the effect is most pleasing. Price, 5 to 7 feet stems, 1-year heads, \$3.75 each; 6 to 7 feet stems, 2-year heads, \$6.25 each; 6 to 7 feet stems, 4-year heads, \$9.50 each.

Weeping Willow (*Salix babylonica*). This is the well-known Weeping Willow, whose long pendulous branches droop so gracefully, and sway to the slightest breeze. Grows well in wet or dry places. 8 to 10 feet, \$3.75; 10 to 12 feet, \$5.00.

MICHELL'S SELECT FRUITS



Every garden should have some space reserved for small fruits. None bought in the market can compare with those picked fresh by yourself when you want them. Any surplus that cannot be consumed may be put up for winter use.

TESTIMONIAL

Orangeburg, S. C.

Enclosed find check to cover our account in full to date. Also order which you will kindly ship at once.

Allow us to say that we consider it a pleasure to deal with you, as everything that we have ever received from you has been absolutely satisfactory.

JESSIE C. KELLY.

BLACKBERRIES (Extra Strong Plants)

Blackberries thrive most anywhere. The plants are subject at times to attacks of rust, particularly during prolonged wet spells in summer. A spraying, especially underneath the foliage, with copper solution, usually arrests this. However, if the disease spreads too much, it is best to dig up the bushes, burn them and plant new ones in another part of the garden. If they are sprayed before being affected it is the best plan.

Eldorado. A very vigorous grower, free from mildew or rust; enormously productive; fruit large, excellent quality and without core.

Mersereau. Remarkably strong grower. An enormous producer of extra size berries, which are brilliant black, and retain their color under all conditions; very sweet and without core. Unsurpassed as a shipper and keeper.

Ward. An extra strong grower; produces an enormous crop of extra large, glossy black berries, which are rich, sweet, and tender and with no hard core.

Price of Blackberries, \$1.25 per doz.; per 100, \$7.00.

Note.—If Blackberries are desired by Parcel Post, allow 15c. per dozen for postage, as we send out only extra strong plants which generally bear some the first season.

CURRANTS (Extra Strong Plants)

Currants like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Red Dutch. An old and well-known standard variety; clusters average about three inches long; berries medium in size; dark red.

Price of Currants, strong 2-year old, 35c. each; per doz., \$3.50; \$20.00 per 100.

Note.—If Currants are desired by Parcel Post, add 20c. per doz. for postage, as we send out extra strong bushes.

GOOSEBERRIES (Extra Strong Plants)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

Downing. Medium to large; whitish green; flesh soft and juicy.

Houghton. Berries medium; color, pale red; tender and good.

A wonderful cropper, with clean, healthy foliage.

Price of Gooseberries, 30c. each; doz., \$3.00; \$20.00 per 100.

Note.—If Gooseberries are wanted by Parcel Post, please add 25c. per doz. for mailing charges.

PLEASE NOTE.—Some States forbid the shipment of Gooseberries into their boundary. Before ordering it might be well to ascertain if there is such a law in your State.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply "small fruit" bushes of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or grower. If customers desire us to guarantee these and trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

NOTE.—Owing to the peculiar laws of Florida concerning the shipping of nursery stock into that State, we regret **WE ARE UNABLE TO ACCEPT ORDERS FOR NURSERY STOCK or SMALL FRUITS FOR SHIPMENT WITHIN THE STATE OF FLORIDA.**

GRAPE VINES

A few of these planted in the garden, after several years will yield abundant crops, and they last for years with little attention except pruning and spraying.

Caco. The most delicious of all Grapes—perfectly hardy; has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. The large berry is wine-red. Bunch of good size, compact and of good form. Ripens in ten days to two weeks in advance of Concord; rich in sugar; excellent in flavor. Vine a very strong, vigorous grower, healthy and prolific. This is a very fine variety and is easily worth the slight advance in price over the older varieties, \$1.00 each; doz., \$10.00.

Campbell's Early. A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich and delicious.

Catawba. Delicious flavor; medium size, red berry.

Concord. The well-known standard purple variety; succeeds wherever grapes will grow.

Ives. One of the most prolific bearers; medium size; color, purplish black.

Moore's Diamond. A strong healthy grower; hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

Niagara. An unusually strong grower; bunches very large and compact; berries large, light greenish-white, semi-transparent; has very little pulp and is sweet to the center.

Prices.—Any of the above excepting Caco, 2-year old vines, 60c. each; doz., \$6.00. If Grape Vines are wanted by mail, add 5c. each for postage charges.

Please Note.—We have reduced the variety of Grape Vines offered, retaining the best in varieties which cover the different colors.

Shipping Seasons for small fruits are from March 25th to May 15th and from October till freezing time.

Plants travel best by Express. No plants sent C. O. D.

(oh)



RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We also recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

Cumberland (Blackcap). The largest raspberry known. Selected specimens measure an inch in diameter; immensely productive.

Cuthbert. Berries very large, measuring 3 inches around; conical; rich crimson; one of the old-time favorites.

Golden Queen. Berries are large, of beautiful bright yellow and of excellent quality; medium to late; very sweet.

Price of any of the above Raspberry Plants: \$1.25 per doz.; \$7.00 per 100.

Ranere Everbearing. This yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, very sweet and juicy and is borne in great abundance; does not seem to sunscald as easily as other sorts. A photo was made of a stalk which had by actual count 169 berries on one stem. This will give some idea of its free fruiting qualities.

Price, \$1.50 per doz.; per 100, \$8.00.

If Raspberries are wanted by mail, add 15c. per doz. for postage.

STRAWBERRY PLANTS

(Extra Strong Layers)

EARLY VARIETIES.—Early Jersey Giant, Early Ozark, Premier, Senator Dunlap.

MID-SEASON VARIETIES.—Big Joe, Bubach, Rewastico.

LATE SEASON VARIETIES.—Brandywine, First Quality, Gandy, Glen Mary, Stevens' Late Champion, Sharpless.

Price of the above, 75c. per doz.; 25 for \$1.00; \$1.50 for 50; \$2.50 per 100; \$5.00 for 250; \$17.50 per 1000.

FALL FRUITING VARIETIES.

"Peerless" (New). This variety is claimed to be the best fall bearing sort, producing right up to heavy frosts, as the fruit is protected by the large, vigorous foliage.

Progressive.
Superb.



Heritage

Price of the Fall Fruiting Varieties, 75c. per dozen; 25 for \$1.00; \$1.50 for 50; per 100, \$2.75; \$6.00 for 250; per 1000, \$22.50.

If layer Strawberry Plants are wanted by mail, add 5c. per doz. and 15c. per 100 for mailing charges.

POT GROWN STRAWBERRY PLANTS

Ready usually after June 1st. Price will be established later.

CHOICE FRUIT TREES

(Extra Strong Stock)

These can be shipped by express only.

APPLES

Baldwin. Large round, deep red, late variety.

Ben Davis. A late keeper; handsome striped fruit.

Grimes' Golden. Deep golden yellow; fine for Christmas.

Hyslop (Crab). Deep crimson with blase bloom.

Maiden's Blush. Clear pale yellow, with red cheek; fine.

Smokehouse. Yellow, striped bright red; crisp and juicy.

Stayman's Winesap. Fine variety; good keeper; deep red on a yellow ground.

Transcendent (Crab). Yellow, striped red; good yielder.

Price of Apple Trees: 6 to 8 feet high, \$1.75 each; 6 for \$9.00; \$15.00 per dozen.

APRICOTS

Alexander. Orange yellow with faint blush; firm, coarse flesh.

Catherine. Early; oblong shaped; rich orange with red cheek.

J. L. Budd. Early; light orange, similar to Catherine.

Price of Apricot Trees: \$2.00 each; 6 for \$9.00; \$15.00 doz.

CHERRIES

Black Tartarian (Sweet). Large, purplish black; immense bearer.

Early Richmond (Sour). Dark red; medium size; splendid flavor.

Governor Wood (Sweet). Light yellow, shaded bright red.

Large Montmorency (Sour). Light red; very productive.

Windsor (Sweet). Large, liver colored; fine fruit.

Price of Cherry Trees: 5 to 7 feet, \$2.00 each; 6 for \$9.00; \$15.00 per dozen.

PEACHES

Belle of Georgia. Free-stone; rich creamy white, red cheek.

Carman. Early; pale yellow, red blush; very fine.

Crawford's Late. Greenish yellow with dull red cheek.

Elberta. Medium; very large; yellow with red cheek.

Mountain Rose. Early; white with red cheek; free-stone.

Stump the World. White with red shading; free-stone.

Price of Peach Trees: 5 to 6 feet, \$1.25 each; 6 for \$6.00; \$10.00 per dozen.

PEARS

Bartlett. Yellow, shaded blush; very sweet and juicy; early.

Kieffer. A fine variety for late autumn, and for canning.

Lawrence. Canary yellow; sweet and a splendid keeper.

Seckel. Small; yellowish brown; very sweet and juicy.

Price of Pear Trees: 5 to 7 feet, \$2.00 each; 6 for \$10.50; \$17.50 per dozen.

PLUMS

Abundance. Amber, turning to a rich, bright cherry color.

Burbank. Orange yellow, overlaid red; rich and sugary.

Hale. Bright orange yellow, mottled cherry red.

Price of Plum Trees: 5 to 6 feet, \$2.00 each; 6 for \$10.50; \$17.50 per dozen.

QUINCES

Champion. Very prolific bearer; large fruit.

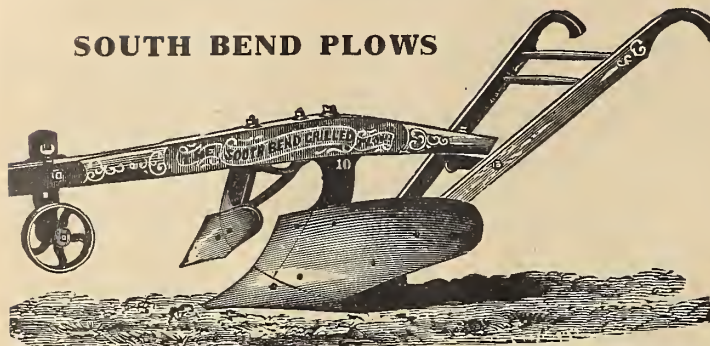
Meech. Large fruit; bright orange yellow; bears young.

Orange. Round; golden yellow; fine for preserving.

Price of Quince Trees: 4 to 5 feet, \$2.00 each; 6 for \$10.50; \$17.50 per doz.

NOTE.—We can also supply all other varieties of Fruit Trees.

SOUTH BEND PLOWS



For garden, farm or truckers' work it meets every requirement; made of chilled steel in various sizes to meet all conditions.

No. 1B. Wood beam plain, one horse.....	\$11.75
No. 2F. Wood beam plain, 1-horse, heavy; or 2-horse, light.	15.00
No. 3F. Wood beam plain, two-horse.....	20.00
No. 3F. Steel beam, two-horse.....	21.50

The No. 2-3 Plows can be equipped with wheel and jointer at the following additional cost: Wheel only, \$2.25; jointer only, \$4.50.

PRICE LIST OF SOUTH BEND PLOW PARTS

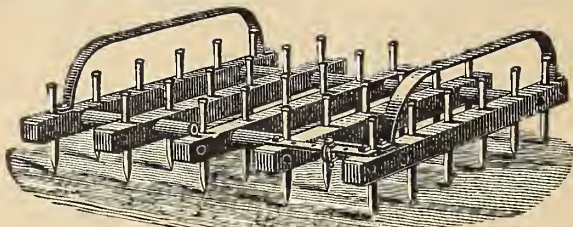
	Shares	Mould-boards	Beams	Complete Handles	Jointer-points	Land-sides
No. 1B	\$0.50	\$2.75	\$2.25	\$2.25		\$0.85
No. 2F	.60	4.00	2.50	2.25	\$0.35	1.35
No. 3F	.75	5.00	3.00	2.25	.35	1.50

SINGLE AND DOUBLE TREES



	Price
No. 11 Wood Single Trees, 26 inches, hooks or rings.....	\$1.10
No. 11 Wood Single Trees, 28 inches, hooks or rings.....	1.25
No. 2 Wood Double Trees, heavy, 36-inch, hooks or rings.....	4.25
No. 3 Steel Single Trees, 26-inch, hooks or rings.....	2.75
No. 1 Steel Double Trees, 34-inch, hooks or rings.....	7.00

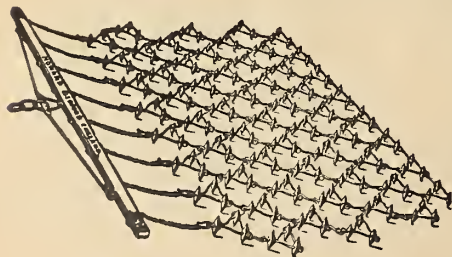
GARDENER'S SPIKE TOOTH HARROWS



Though old-fashioned in appearance and construction, this harrow is still preferred by many; fitted with runners, upon which it may be turned to take it from place to place.

Price, 25 teeth.....\$12.00 Price, 30 teeth.....\$13.50

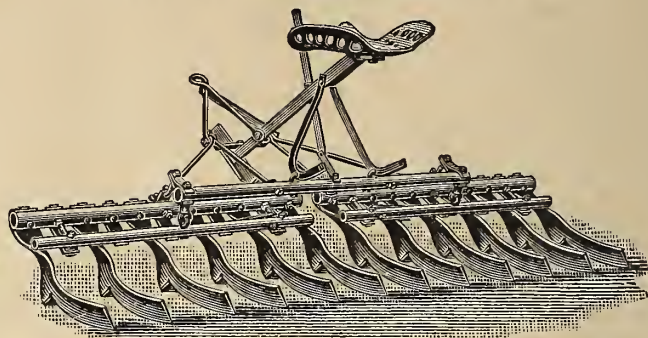
SCOTCH CHAIN HARROW



One of the best implements for pulverizing the surface soil, leveling and smoothing, and is also splendid for covering grass seed, etc. Used on driveways and race tracks, it smooths the surface, eliminating ruts and footprints.

	Weight	Price
No. 1F. One-horse size, 5 x 6 feet.....	126 lbs.	\$40.00
No. 2F. Medium two-horse, 6 x 7 3/4 feet.....	236 lbs.	50.00
No. 3F. Full two-horse size, 9 x 11 feet.....	357 lbs.	60.00

ACME PULVERIZING HARROW



This will be found by those having a large acreage an indispensable implement for pulverizing and crushing the ground.

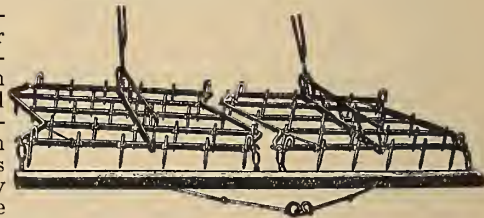
No. 23. Price, 6 ft. covering area, 2-horse.....\$38.00

No. G. Price, 3 ft. covering area, 1-horse.....19.00

Extra blades or coulters, \$1.00 each.

INTERNATIONAL SPIKE TOOTH HARROWS

These are equipped with a lever for lessening or increasing the depth of cultivation and are adjustable instantly. The teeth are equipped so as to readily pass any obstruction in the soil.



Tooth	Sections	Price	Tooth	Sections	Price
25	1	\$14.00	50	2	\$27.50
30	1	16.00	60	2	30.00

INTERNATIONAL SPRING TOOTH HARROWS

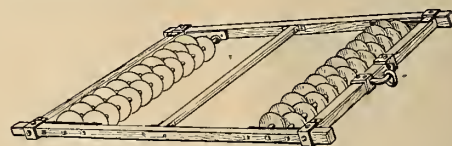
Tooth	Sections	Price
15	2	\$35.00
17	2	37.50
9	1	25.00

DISC HARROWS

Discs	Diameter	Cut	Price
8 (All)	16 in.	4 ft.	\$55.00
10 2	16 in.	5 ft.	60.00
12 Horse)	16 in.	6 ft.	70.00

If Fore Truck is wanted, add \$12.00 to the above prices.

THE MEEKER DISC HARROW



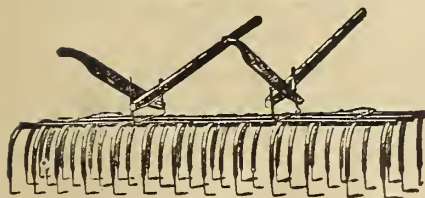
The Meeker Harrow leaves the soil a fine seed bed as good as could be prepared with a rake, the ideal tool or implement for dragging over the garden after it has been harrowed, splendid also for dragging over grass field or lawn, prior to sowing grass seed on sod.

No.	Discs	Price
No. 1.	4 ft. 6 in. x 4 ft.—46—8 in. discs.....	\$47.50
No. 2.	6 ft. 8 in. x 6 ft.—58—8 in. discs.....	52.50
No. 3.	8 ft. x 6 ft.—82—8 in. discs.....	67.50
No. 4.	8 ft. x 6 ft.—58—10 in. discs.....	82.50

SPECIAL MEEKER HARROW

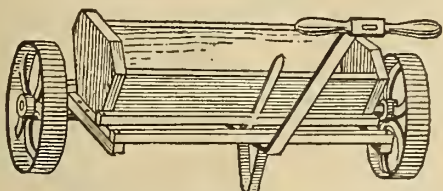
For use on lawns and golf grounds equipped with 28-8" discs, which cut 1 1/2" deep under maximum load or weight. 3' x 6'-8" for one horse. Equipped with wheels for transporting from place to place readily. Price upon application.

THE HALLOCK WEEDER



The Hallock Weeder

Surface cultivation stirs the soil, keeps down weeds and prevents evaporation of moisture. This weeder can be adjusted to cover a 7½-ft. stretch. Any of the teeth can easily be removed, if it is desired not to cultivate very finely. This tool is excellent for preparing a piece of ground prior to sowing lawn seed, etc. Equipped for one horse. Price, \$20.00. (Extra teeth 40c. each.)

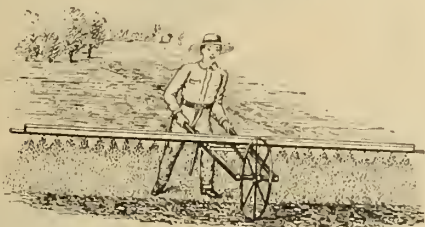


THE STEVENS FERTILIZER DISTRIBUTOR

For distributing bone meal, wood ashes and other commercial fertilizers on fields, lawns, golf courses, etc., also for sanding putting greens. Insures perfect and even distribution, requiring less time than by the broadcast hand process.

Hand Machine. Holds about 1¼ bu., covering area 3 feet wide. Nicely finished. Price, \$20.00.

Horse Machine. For use on large lawns, fields and golf grounds. It has a device for regulating the quantity that is to be sown, for either one or two horses, as may be desired. 5-ft. 10-in. spreading area, price, \$60.00. 8-ft. 3-in. spreading area, price, \$70.00.



WHEELBARROW GRASS SEEDERS (14 FT.)

The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly.

No. 9 (especially for Grass Seed), \$15.00.

No. 5 (for clover, etc.), \$14.00.

BROADCAST SEED SOWERS



Rittenhouse Seeder

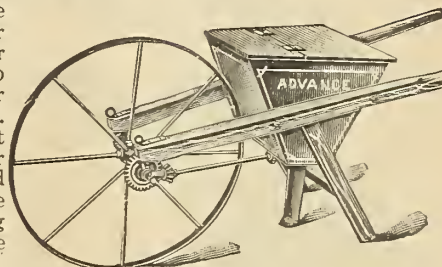


Cahoon Seeder

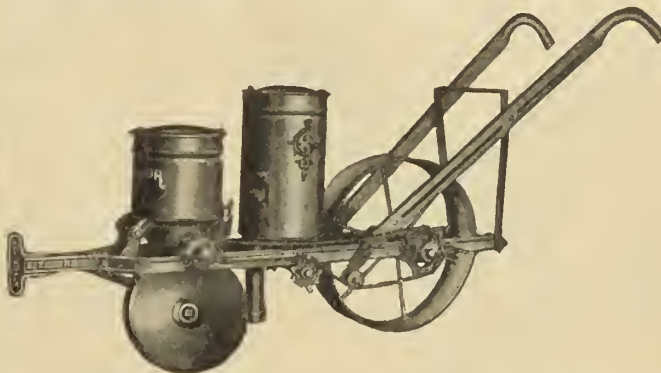
For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre. **Cahoon Make, each..\$5.00**
Rittenhouse, each... 2.75

"ADVANCE" DRILL

A splendid machine for drilling in fertilizer prior to planting, or between the rows to stimulate growth after the plants are started. A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement, being one of those little things which go far, however, in making a tool valuable, first-class for drilling of peas, corn and fertilizer. Price, each, \$13.75.



SUPERIOR No. 4 (Plain and Fertilizer Attachment) ONE HORSE PLANTER



This machine is very simple in construction, so that every part can easily be gotten at, the illustration shows the machine equipped with a fertilizer attachment which really is necessary to make it complete in operation; thru it the fertilizer is applied in the proper quantity at the right place. However we supply the planter without this if desired. An ideal machine for drilling in peas, beans and other coarse seed for which purpose special disc plates are supplied. Price, plain, \$27.50; with fertilizer attachment, \$35.00.

STEEL ROAD SCOOPS

For dragging soil from one place to the other, grading, filling in, etc.

No.	Capacity	Price
1	Ingham, 7 cu. ft..	\$20.00
2	Ingham, 5 cu. ft..	18.00
3	Ingham, 3 cu. ft..	17.00

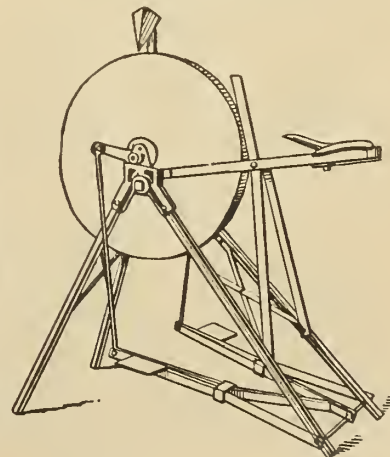


STERLING MOUNTED GRINDSTONES

Substantially made; heavy steel frame, with seat and double treadles; fitted with improved ball bearings, of the very best quality, encased so they will keep clean. Stone, 19 to 22 inches diameter, 1¾ to 2¼ inches thick.

Weight, 100 lbs.

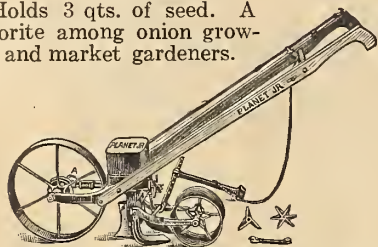
Shipped knocked down, crated. Price, \$12.50.



No. 3 PLANET JR. HILL AND DRILL SEEDER

Price, \$21.00

Holds 3 qts. of seed. A favorite among onion growers and market gardeners.



The flow of seed is instantly started or stopped by the cut-off rod. Sows in large or small quantities in drills or in hills.

No. 4 PLANET JR. HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

Price, \$22.50



Sows all garden seeds, plows, opens furrows and covers them, hoes and cultivates.

No. 4D SEEDER. Price, \$18.00

As above less the cultivating attachments.

No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE AND CULTIVATOR

Price, \$25.50



A splendid combination for the family garden, onion grower or large gardener.

No. 31 PLANET JR. COMBINED DRILL SEEDER AND SINGLE WHEEL HOE

Price, Complete, \$14.75

No. 31 D as a DRILL SEEDER only, \$11.75



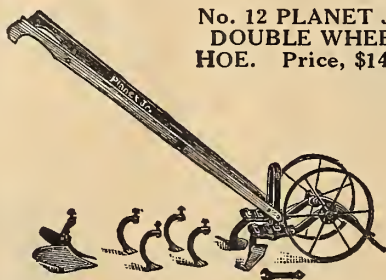
This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision.

No. 11 PLANET JR. DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE

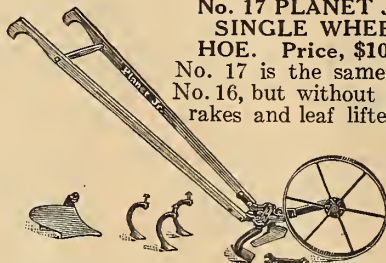
Price, Complete, \$18.25



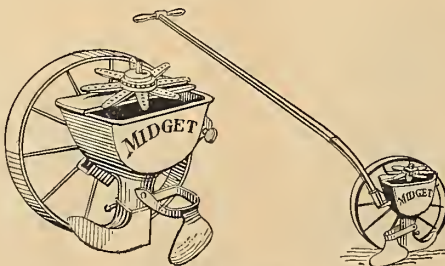
Straddles crops till 20 inches high, then works between.

No. 12 PLANET JR. DOUBLE WHEEL HOE. Price, \$14.75**No. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW. Price, \$12.00****No. 17 PLANET JR. SINGLE WHEEL HOE. Price, \$10.00**

No. 17 is the same as No. 16, but without the rakes and leaf lifter.

**No. 33****PLANET JR. SINGLE WHEEL HOE**

Price, \$7.50

**THE MIDGET SEED DRILL**

The Midget Seeder will pay for itself in a short time, because it saves seed by sowing accurately. It drills almost any kind of garden seed, including peas and beans. The Midget opens the furrow, sows the seed and covers up, all in one operation. Weight 6 pounds. No. 1. Without Handle, \$4.50.

PLANET JR. CATALOG FREE
Write today for one.**No. 13 DOUBLE WHEEL HOE**

This is like No. 12, except that it is equipped with 1 pair side hoes only. \$10.25.

No. 17½ SINGLE WHEEL HOE

Price, \$8.65.

No. 18 SINGLE WHEEL HOE

This is like No. 17, except that it is equipped with 1 pair side hoes only. \$7.00.

No. 14 PLANET JR. DOUBLE WHEEL HOE
Price, \$16.25

The disc leaves the ground fine and level. The prong teeth do fine, deep work. The plows open furrows and cover them.

FIRE-FLY GARDEN PLOW
Price, \$4.75

Useful to owners of small gardens, and to chicken raisers for plowing up scratching yards.

PLANET JR. STAR PULVERIZER
Price, \$6.85**No. 119 PLANET JR. GARDEN PLOW AND CULTIVATOR**

Equipped with a 24-in. diameter wire wheel, 1 cultivator tooth, 1 scuffle, 1 2-tooth rake, 1 hilling plow, 1 opening plow. \$6.00.

PARTS OF**PLANET JR. WHEEL HOES**

Disc Hoes.....	pair	\$4.00
4½-inch Hoes C. & D1.....	"	1.50
6 " Hoes C. & D1.....	"	1.65
7 " Hoes C. & D1.....	"	1.85
8 " Hoes C. & D1.....	"	2.00
Peat Land Hoes.....	"	2.45
3-prong Cultivator Teeth.....	"	2.20
Cultivator Teeth, Regular, No. 1395, all steel, each.....		.45
Narrow Cultivator Teeth, No. 2775, all steel, each.....		.45
Rakes, Three Tooth.....	per pair	1.40
Rakes, Five Tooth.....	per pair	1.80
Plows for Double Wheel Hoes.....	pair	1.85
Plows for Single Wheel Hoes.....	each	1.85
Double Mouldboard Plows.....		2.50
Marker Attachment for Wheel Hoes.....		1.90
Handles.....	per pair	1.65

WE ARE HEADQUARTERS FOR PLANET JR. TOOLS. COME SEE THEM

(oh)



IRON AGE No. 320 SINGLE WHEEL HOE

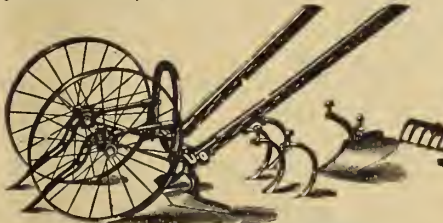
This is regarded as an improvement on the old No. 9 machine which has been discarded. Price, as per cut, including rakes, not shown, \$9.50.

IRON AGE No. 11 WHEEL PLOW

The work of hilling up crops in the garden by the hand hoe method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidity, but does it much better. Price, \$6.50.

IRON AGE No. 12 WHEEL HOE AND PLOW

This tool is desirable for the family garden and truck patch. It is equipped with 1 pair side hoes, 1 hillside plow and 4 cultivator teeth. Price, \$7.50.



IRON AGE No. 301R WHEEL HOE

Double Wheel Hoes will work both sides of a row. The high centre arch enables this type of machine to be used where others would not be so practical. Two rakes not shown accompany this tool. Price, \$15.50.

No. 303 WHEEL HOE. This is the above machine with one pair side hoes only. Price, \$10.75.

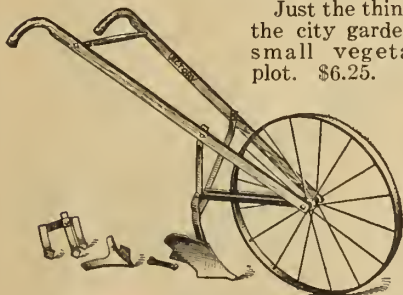
IRON AGE HAND PLOW

For making furrows, hilling, etc. Price, each, \$3.50.

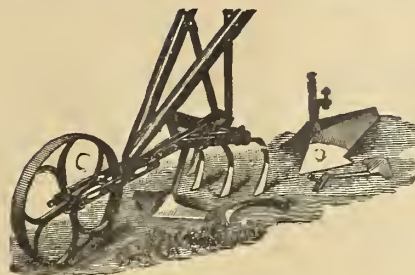


VICTORY WHEEL PLOW AND CULTIVATOR

Just the thing for the city garden or small vegetable plot. \$6.25.



Victory Wheel Hoe



GEM SINGLE WHEEL HOE

This is suited for most any work in a garden. It weeds, hoes, hills and harrows. Price, \$10.00.

GEM DOUBLE WHEEL HOE

Similar to the single wheel machine, excepting it has another wheel and is minus the scufflers. It has instead one pair of side hoes. The wheels may be adjusted to enable plants to be worked on both sides of row. Price, \$11.50.

IRON AGE No. 306 WHEEL HOE, DRILL, ETC.

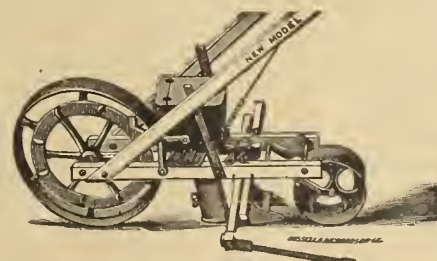
From a Seed Drill this tool can be converted into a Wheel Hoe, either single or double. Price, as in cut, without rakes, \$23.00.



No. 306 I. A. Wheel Hoe, etc.

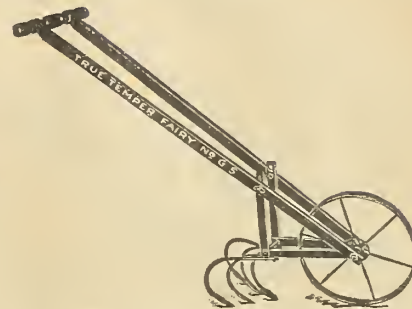
IRON AGE No. 304 WHEEL HOE AND DRILL SEEDER

Similar to the No. 306 Combined Double Wheel Hoe and Drill Seeder. It only differs in the seed sowing device and opening plow. Both tools as Double and Single Wheel Hoes are identical; designed to sow seeds in continuous rows. Price, complete, without rakes, \$22.50.



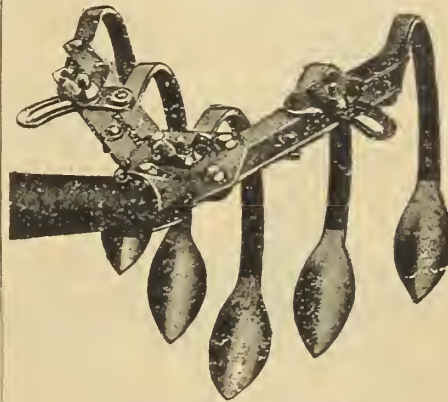
MODEL SEED DRILL

The depth of sowing can be easily regulated. A typical market gardener's drill, having a large capacity for seeds. Price, \$16.50.



No. G5 FAIRY TRUE TEM- PER GARDEN CULTIVATOR

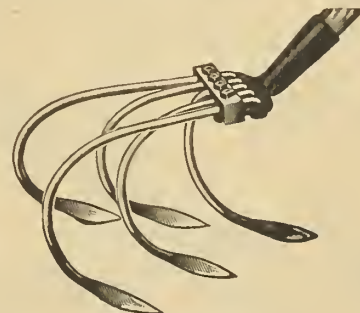
Equipped with a 14-inch oval spoke wire wheel and five cultivator teeth, which may be adjusted in many ways, for cultivating rows from 8 to 10 inches apart. Price, \$3.75.



Pull-Easy Weeder and Cultivator

PULL-EASY CULTIVATOR

The teeth are adjustable to various widths; splendid for going between rows of young, growing crops. Can be shipped by express or freight only. Price, \$1.75.



Invincible Cultivator

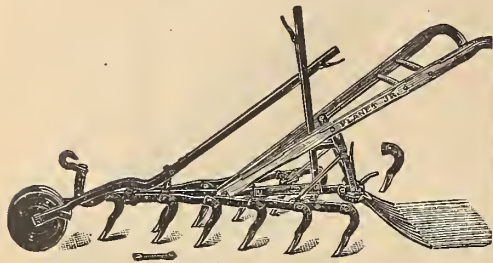
INVINCIBLE CULTIVATOR

This will be found a useful tool for weeding, loosening the soil, preparing seed beds, etc. Price, with long handle, \$1.25.

IRON AGE WHEEL HOE PARTS

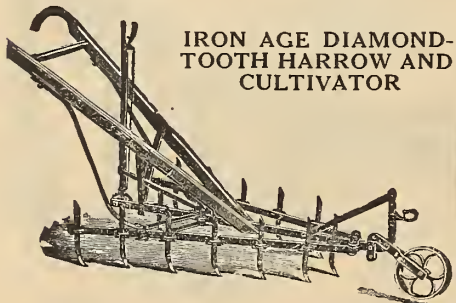
Fig. 32—Gem Landside Plow.....	\$2.00
Fig. C-214—Iron Age Landside Plow	1.75
Side Plows, 6 in., right or left... each	1.25
Side Hoes, right or left.....	1.25
Fig. 563—Rakes, 6-tooth.....	.80
Teeth, Gem.....	.45
Teeth, Iron Age.....	.45

**PLANET JR.
12-TOOTH HARROW CULTIVATOR
AND PULVERIZER**



No. 90. Complete with Steel Wheel, \$24.00.
No. 90B. Without Pulverizer, \$20.25.
No. 90D. Without Pulverizer or Wheel, \$15.25.

With the Twelve-Tooth Harrow, you go as deep or shallow as you like and come up close to row without injuring plants. You widen and narrow as you please, between 12 and 32 inches.

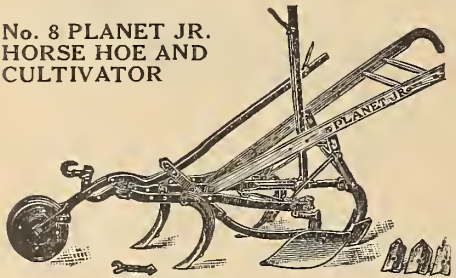


**IRON AGE DIAMOND-
TOOTH HARROW AND
CULTIVATOR**

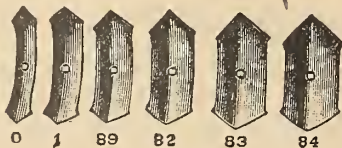
The teeth are diamond shape, with a small cultivator tooth forged on one end. For very close work, every other tooth can be quickly removed. Cultivating width when equipped with lever expander, 34 inches; with plain expander in place of lever expander, 38 inches.

No. 1014EP. Complete, as in cut... \$15.00
No. 1014E. Without wheel, with lever..... 14.00
No. 1014. Without wheel or lever... 12.00

**No. 8 PLANET JR.
HORSE HOE AND
CULTIVATOR**



The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by the mere stroke of the arm. A perfect five-toothed cultivator. Price, \$24.00.

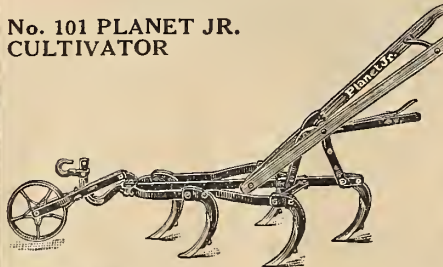


Iron Age Cultivator Teeth
(See Prices Opposite)

AN INVITATION

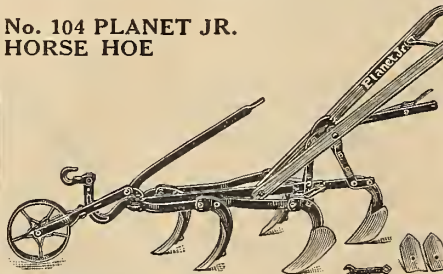
On the first floor of 516 Market St. (our newly acquired addition), we have established what is probably the best arranged display room for Garden and Farm Tools and Implements—Come and see it.

**No. 101 PLANET JR.
CULTIVATOR**

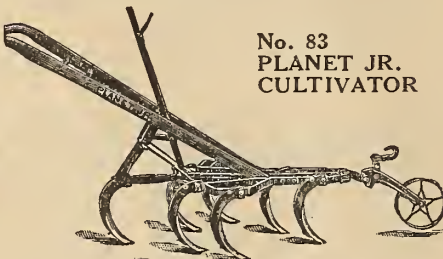


The latest Planet Jr. Plain Cultivator with improved expander.
Price, as in cut, \$15.00.
No. 101D. Price without wheel, \$13.00.

**No. 104 PLANET JR.
HORSE HOE**



A strong, combined Horse Hoe and Cultivator, with lever wheel and lever expander; light and well adapted to many kinds of work where a heavy tool is not necessary. Price, complete, \$17.50.



**No. 83
PLANET JR.
CULTIVATOR**

Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the five-tooth machine. Price, complete with steel wheel, \$21.00. No. 83D, without wheel, \$17.50.

PLANET JR. CULTIVATOR TEETH

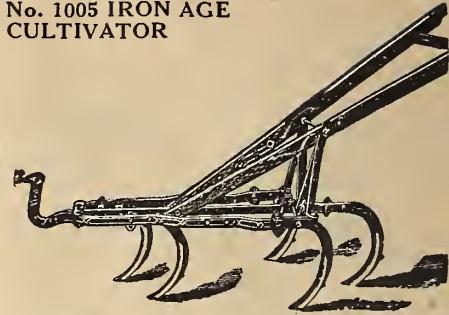
Width	Price
1 1/4 inch.....	\$0.27
1 3/4 ".....	.32
2 1/4 ".....	.34
3 ".....	.39
4 ".....	.45

IRON AGE CULTIVATOR TEETH

0—1 1/4-in.....	\$0.25	82—3 -in.....	\$0.35
96—1 1/2-in.....	.25	83—3 1/2-in.....	.35
1—2 -in.....	.26	84—4 -in.....	.35
89—2 1/2-in.....	.27	68—4 -in.....	.35

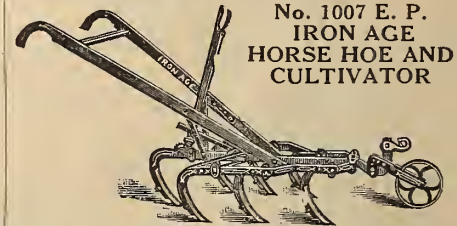
Bolts for all Teeth, 5c. each; doz., 55c.

**No. 1005 IRON AGE
CULTIVATOR**



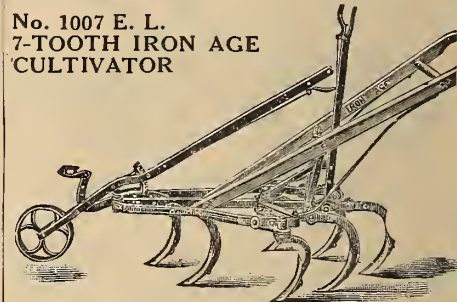
Price, as in cut, \$10.00; with plain wheel, \$11.00; with lever expander, \$11.00; with lever and wheel, \$12.00.

**No. 1007 E. P.
IRON AGE
HORSE HOE AND
CULTIVATOR**



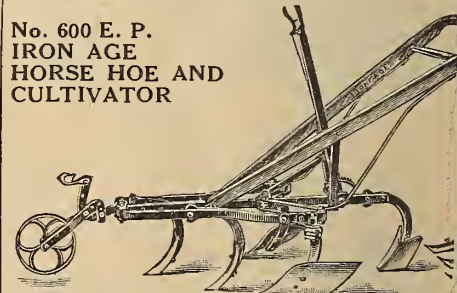
One of the best of the 7-tooth Iron Age equipments. If it is desired to use this machine with less teeth any excess may be easily detached. Price, as in cut, \$14.00.

**No. 1007 E. L.
7-TOOTH IRON AGE
CULTIVATOR**

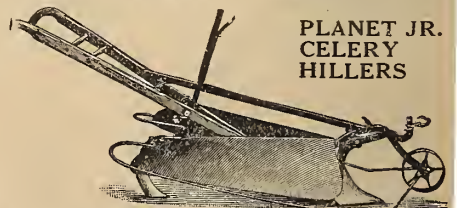


The lever wheel regulates the depth; the expanding lever the width of cultivation. May be used as a five-tooth machine by unbolting two teeth and arms. \$15.00.

**No. 600 E. P.
IRON AGE
HORSE HOE AND
CULTIVATOR**



Equipped with side steels or coverers, which can easily be detached, and the regular cultivator teeth, which accompany each implement, attached. Price, \$15.00.



**PLANET JR.
CELERY
HILLERS**

Double, for hilling one side of 2 rows. Price, double style, \$36.00.

ALL PRICES SUBJECT TO MARKET CHANGES

(oh)

LINKS-LAWN BOOTS

(For Horses)

Made of very heavy sole leather, waterproofed and finished black. The sole is reinforced with steel rivets.

No. 2. 5½ inches inside.

No. 4. 6½ inches inside.

No. 6. 7 inches inside.

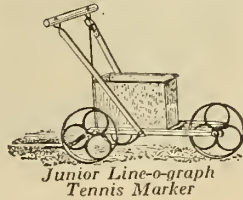
Price, per set of four, \$16.00.

Special Size Horse Boots made to order.



TENNIS COURT MARKER

Junior Line-o-graph. A perfect liquid lime tennis court marker especially designed for private courts; works perfectly on grass or clay. F. O. B., Philadelphia, \$31.50.

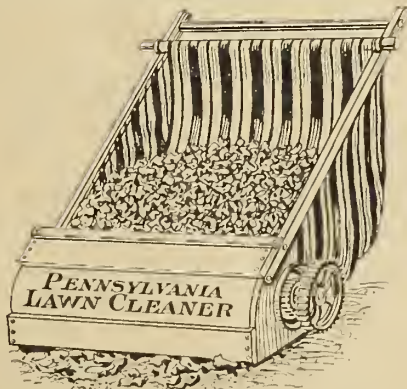


PENNSYLVANIA LAWN AND PUTTING GREEN CLEANER

The flexible rake bars are of wood, with steel springs and teeth; they rotate just like a lawn mower cylinder and clean up every particle of leaves, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity. This can be detached and emptied at will. 24-in. rake, \$35.00.

Penna. Putting Greens Sweeper, 24-in., \$35.

Sweeping Brushes. Can be readily attached to the Rake for sweeping lawns, putting greens, paths, etc. \$8.00 per set of three. We can also supply the Philadelphia Horse Lawn Sweeper. Price upon application.



SOD PERFORATOR

For use in loosening soil where grass is worn out, for reseeding; makes a perfect seed bed which means quick growth of grass after the seed is sown. It is used like a tamper, its own weight being sufficient to properly perforate the ground. Price, \$5.00.



Sod Perforator

SOD TAMPERS

When laying sod it is necessary to properly firm it down, so that it will take new root quickly. It is also convenient for firming the soil or lawn on places where a roller cannot be used; made of iron

Sod Tamper

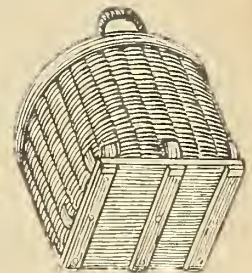
with wood handle; 12 inches square; weight, 20 lbs. Price, \$3.25 each.

GARDEN AND LAWN TOOLS

Our house makes a specialty of these, and carries probably the largest assortment in practical styles to be found anywhere; the quality is only the very best obtainable and we can readily say our garden and lawn tools give splendid service.

RUBBISH BASKETS

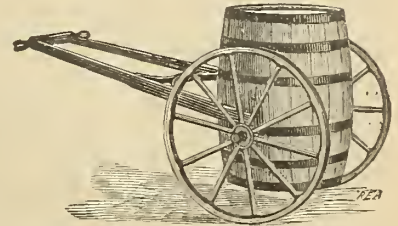
A basket for gathering up rubbish and litter will be found a great convenience. This basket holds 3 bushels and can be carried or wheeled from place to place. Price, with rope handles, \$4.50 each.



Rubbish Basket

BARREL TRUCKS, ETC.

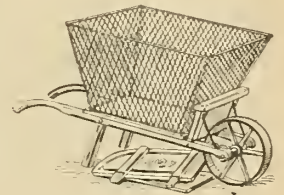
The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack attached.



1½-inch tire truck, all iron wheels, with barrel..... \$25.00
2½-inch tire truck, all iron wheels, with barrel..... 26.50
3½-inch tire truck, all iron wheels, with barrel..... 28.00
Extra Barrels, with trunnions, open head..... 8.00

KEYSTONE LEAF RACKS

This device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$7.50.



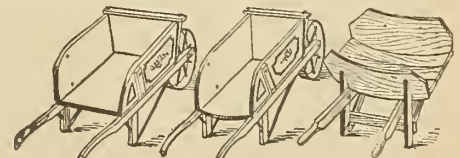
WIRE LEAF RACKS

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck, as shown opposite. Wire and metal frame construction.

Leaf Rack only, no truck..... \$16.00
Leaf Rack with 1½-inch tire truck..... 31.00
Leaf Rack with 2½-inch tire truck..... 34.00
Leaf Rack with 3½-inch tire truck..... 35.00

WHEELBARROWS

The measurements of barrows are understood, viz.: Length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.



		Eastern	Greenhouse	Canal	
	No.	Tire In.	Length In.	Depth In.	Width In.
Eastern.....	3	1½	28	11	22
Eastern (Boys')...	2	2	21¾	9¼	20
Victor.....	1	2½	27	12½	22
Victor.....	2	2½	30	13	23
Canal. Side dump (bolted).....					
Special Greenhouse Style, with narrow body and handle width.....					
					Price
					\$8.50
					7.75
					9.00
					10.00
					7.00
					15.00

In answer to the call our trade has for years made upon us for a mower of our own name, we have had designed by the best lawn mower makers in the United States the "Michell" High Wheel Ball-Bearing. Of the best material throughout in every detail, has there been the thought to construct not only a mower that would appeal to the intending purchaser from a standpoint of looks, but to give him more for his money than we might be able to do in other makes. The "Michell Ball-Bearing High Wheel Lawn Mower" is made for us by John Braun & Sons, who are the originators and makers of the "Famous Pennsylvania Quality" machines.

It has a 5-blade cylinder of tool steel blades, each hardened and tempered in oil; it is equipped with internal driving gears on both sides, making it easy to push. The cones and cups in which the balls revolve are hardened tool steel, while the balls themselves are extra large, of the best quality. The drive wheels are 10 inches high, which ensures easy running; the bottom knife is self-sharpening with raised edge, of crucible steel, that will ensure long service. It can be regulated to cut the grass at a height of from $\frac{1}{2}$ to $1\frac{1}{2}$ inches, by adjustment, while it mows grass with ease that is 6 inches high.

15-inch cut.....	\$22.00	17-inch cut.....	\$24.50
19-inch cut.....	27.00	21-inch cut.....	30.00

PENNA. JR. BALL-BEARING MOWER

To get the best results from this machine, which does exceptionally fine work, the lawn should be mowed at regular intervals. It cuts the grass shorter than the 4-bladed machine, hence requires mowing at stated periods when the grass is growing rapidly.

8-inch or low wheel, 5-blade cylinder, $5\frac{1}{2}$ -inch diameter.	
12-inch.....	\$18.00
14-inch.....	21.00
10-inch or high wheel, 5-blade cylinder, 6-inch diameter.	
15-inch.....	\$30.00
17-inch.....	34.00
16-inch.....	\$24.00
18-inch.....	27.00
19-inch.....	\$38.00
21-inch.....	42.00

PENNA. AND CONTINENTAL

The regulation style for every-day lawns. The above two are supplied at one and the same price, the Continental is double geared while the Pennsylvania is single geared. **Continental Mowers can be supplied in high wheel machines only.**

Low wheel, 8-in. diameter.	High wheel, $10\frac{1}{2}$ -in. diam.
12-inch.....	\$16.50
14-inch.....	19.00
16-inch.....	22.00
18-inch.....	25.00
15-inch.....	\$28.50
17-inch.....	32.50
19-inch.....	36.50
21-inch.....	40.50

PENNA. PUTTING GREENS MOWER

For cutting wavy or undulating greens, which are very popular on some courses. It is gear driven, with a 7-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as 3-16 inch. Equipped with a 6-blade cylinder, $5\frac{1}{2}$ inches in diameter.

12-inch cut.....	\$28.50
14-inch cut.....	33.00
16-inch cut.....	\$37.50
18-inch cut.....	42.00

PENNSYLVANIA GOLF LAWN MOWER

For putting greens and close cutting around golf courses, tennis courts, etc.; equipped with an iron roller of small diameter in three sections in place of the usual wooden roller.

14-in. Low wheel, Plain bearing 6 blade cylinder.....	\$25.00
16-in. Low wheel, Plain bearing " " ".....	28.00
18-in. Low wheel, Plain bearing " " ".....	31.00
17-in. High wheel, Ball bearing 7 blade cylinder.....	37.50
19-in. High wheel, Ball bearing " " ".....	42.00
21-in. High wheel, Ball bearing " " ".....	46.50

GREAT AMERICAN MOWER

A double-geared mower which gives fine results.

$10\frac{1}{2}$ -inch high wheel, 5-blade cylinder, ball-bearing.

15-in....	\$21.00	17-in....	\$23.50	19-in....	\$26.00	21-in....	\$29.00
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COLDWELL BALL-BEARING

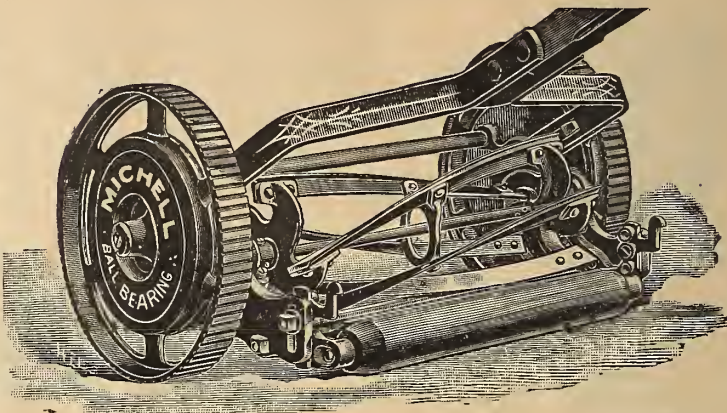
The Coldwell line of mowers need no introduction for quality, service and reputation. Easy running, ball-bearing, four-blade cylinder, made to last and do fine work.

14-inch.....	\$21.00	18-inch.....	\$24.00
16-inch.....	23.00	20-inch.....	25.00

MICHELL'S "EASY" BALL-BEARING

This moderately priced machine must not be confused with the Michell High Wheel Ball Bearing Mower, which is a higher grade in every particular, the "Easy" machine will fill the wants of persons who want a reliable low priced mower—High wheel.

14-inch.....	\$16.00	16-inch.....	\$17.00	18-inch.....	\$18.00
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JEWEL LAWN MOWER

High wheel; 4-blade

12-inch.....	\$10.00	14-inch.....	\$10.50	16-inch.....	\$11.00
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STYLE A PHILADELPHIA LAWN MOWER

Diameter of cylinder $6\frac{1}{2}$ in., with four Vanadium Crucible Steel blades. Train of three heavy gears on one side, operating double ratchet. Driving wheels 10 inches.

15-inch.....	\$25.00	19-inch.....	\$31.50
17-inch.....	28.00	21-inch.....	33.00

STYLE K PHILADELPHIA LAWN MOWER

$6\frac{1}{2}$ in. draw cylinder, 5 blades, high wheels; made with plain or roller bearings. We recommend plain bearings in this make, they last longer and give less trouble.

14-inch.....	\$20.00	18-inch.....	\$24.00
16-inch.....	22.00	20-inch.....	25.00

We can also supply Philadelphia Horse Mowers and Philadelphia Lawn Sweepers.

TOWNSEND'S GOLF WONDER MOWER

For Putting Greens. 16-inch, \$31.50; 18-inch, \$34.00; 20-inch, \$36.75.

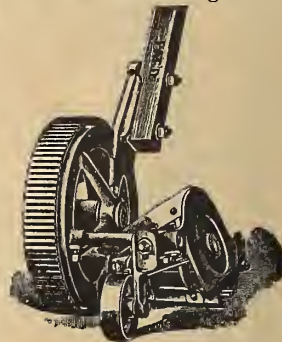
Grass Catchers for Townsend Golf Wonder Mowers, for all sizes, \$7.00.

LAWN TRIMMERS

Pennsylvania Style. This machine will trim against fences and closer to walls or tombstones than any other machine now made. Ball-bearing, undercut style, \$13.00; ball-bearing, straight cut style, \$11.50.

Capitol Lawn Trimmer and Edger. This can be converted into either a trimmer or an edger in a few seconds by simply turning the machine over and making a slight adjustment of a brace rod. Price, \$10.50.

Coldwell Gem Mower. Cuts an 8-inch swath. Suitable for a child or lady to use; suitable for very steep terraces. Price, \$9.00.



Pennsylvania Undercut Lawn Trimmer

G. M. LAWN MOWER SHARPENER

Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. Price, 75c. each, postpaid. Extra files, 15c. each.



MICHELL'S RELIABLE LAWN MOWERS, ETC.

129

PENNSYLVANIA TRIO LAWN MOWER

Cuts a swath of 86 inches. It is a combination of three light draft 30-inch mowers harnessed together. So constructed that it does not raise off the ground when the horse starts. The gear are housed in a dust-proof case which is packed with grease, causing them to run noiselessly and free. The bottom knife casting or back is fixed and not adjustable, thus insuring rigidity and freedom from the necessity of making adjustments. The cylinder is 7 inches in diameter, equipped with 4 extra wide crucible tool steel knives hardened and tempered in oil. The wheels are 18 inches in diameter, with a 2½-inch head, giving ample traction surface, and are fitted with annular ball bearings, making it an easy machine on the horses. Price, \$450.00. Extra units, \$100.00 each.

TOWNSEND TRIPLEX HORSE LAWN MOWER

This is a combination of three mowers harnessed together, yet one horse is capable of operating the same. They are being used with splendid satisfaction on golf grounds, parks and estates.

Cutting width, 86 inches; 5-blade cylinder. Price, \$400.00. Extra units, \$110.00 each, f. o. b., Orange, N. J.

COLDWELL THREESOME MOWER

Price upon application.

SHAWNEE GANG MOWER

Price upon application.

PENNSYLVANIA HORSE AND PONY MOWER

Pennsylvania Regular Style

	6-blade cylinder	4-blade cylinder
25-in. Pony, with wooden rear roller.....	\$85.00	\$70.00
30-in., with draw bale only.....	155.00	135.00
30-in., with seat and shafts.....	180.00	160.00
38-in., with draw bale only.....	195.00	175.00
38-in., with seat and shaft.....	220.00	200.00

Pennsylvania Grand Horse Mower

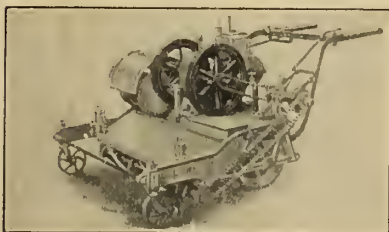
30-inch cut, with draw bale.....	170.00	150.00
38-inch cut, with draw bale.....	210.00	190.00
30-inch cut, with seat and shafts.....	195.00	175.00
38-inch cut, with seat and shafts.....	245.00	225.00

COLDWELL HORSE AND PONY MOWERS

30-in., seat and shafts.. \$120.00 | 35-in., seat and shafts.. \$135.00
All 4-blade cylinders.

Note.—These can be supplied with 6-blade cylinders at an additional charge of \$20.00 for each machine.

COLDWELL MOTOR MOWERS



Type of Models G and H

Designed for use on large lawns of estates, parks, grounds, golf courses, etc.

Capable of propelling up grades as steep as 25 per cent. Model J can be equipped with Coldwell's patented demountable cutting units. This device is an extra cutter part, composed of the revolving and stationary

knives and the necessary parts to carry them.

Model J. 40-inch cutting area.....	\$1500.00
Model G. 35-inch cutting area.....	550.00
Model H. 30-inch cutting area.....	500.00

Sample usually on display.

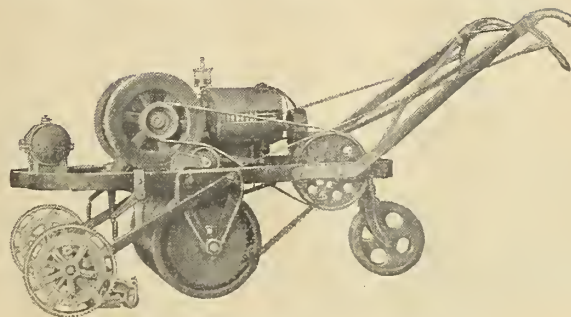
These mowers are sold for net cash f. o. b. Newburgh, N. Y. Any of the Coldwell Motor Mowers can be used as lawn rollers independent of the mowing feature.

CHAMPION SOD CUTTER

Sod cutters are now used extensively where any great amount of cutting is to be done; work can be accomplished better with this machine; you can cut as much in one hour as two men all day.

Price, \$50.00

Extra Knives for Sod Cutters, \$7.50 each



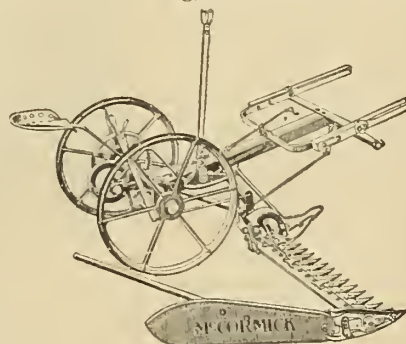
IDEAL MOTOR MOWER

This mower is designed and built for keeping large lawns in fine condition. As shown above it is a combined power mower and roller. This machine will mow from 4 to 5 acres of grass per day at an operating expense of about 50 cents for fuel and oil. From our experience with the sale of it during the past year, we are convinced it will soon make for itself a reputation. Prospective purchasers or others interested are invited to examine this machine, a sample of which we endeavor at all times to have on display. Prices: 22-inch cut, \$265.00; 30-inch cut, \$380.00; f. o. b. Phila. 36-inch Triplex, \$1125.00; f. o. b. Lansing, Mich.

McCORMICK MOWING MACHINES

Gear Drive

These are now largely used for cutting on golf courses and large lawns, thus doing the preliminary work for the regular horse lawn mower. They are also equally well adapted for hay cutting.



3½ and 4 ft. cut, vertical bar, 1-horse machine....	} Price on application
4½ and 5 ft. cut (New 4), 2-horse machine.....	
4½ and 5 ft. cut, vertical bar, 2-horse machine....	

GRASS CATCHERS

Keen Kutter. Designed to fit any size or style mower, and can be attached or detached in a moment. Made of galvanized iron bottom and canvas sides. For mowers 12 to 16 inches cutting width, \$2.50 each; for mowers 17 to 22 inches cutting width, \$2.75 each.

Braun Make. Galvanized bottom, canvas back and sides; fit Penna., Continental and Great American mowers.

12-inch.....\$3.60	16-inch.....\$4.25	19-inch.....\$4.75
14-inch.....3.60	17-inch.....4.25	21-inch.....5.20
15-inch.....4.25	18-inch.....4.25	

Catchers for Penna. Golf and Putting Greens mowers, all sizes, 12 to 21-inch, \$8.00 each.

Catchers for Penna. Horse and Pony mowers. 25-inch for Pony mower, \$8.00; 30-inch, \$30.00; 38-inch, \$38.00.

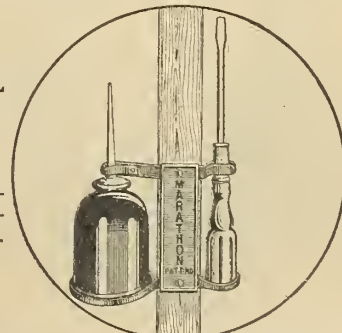


Keen Kutter Catcher

MARATHON TOOL BRACKET

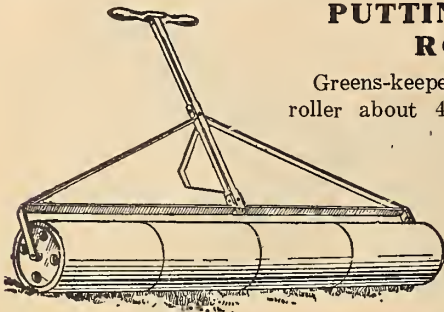
(For Mowers)

Comprises a device for fastening to hand lawn mowers. Price without tools, 75c. Parcel Post Wt., 1 lb.



PUTTING GREENS ROLLER

Greens-keepers have found that a roller about 4 feet wide, weighing about 150 pounds, is right; evenly surfaced; will not leave a mark or ridge on the greens. Made of wood in sections. \$30.00.



MICHELL'S WATER- BALLAST ROLLERS

Fill it with water, which will weight it up to any number of pounds desired, as shown below; Equipped with feature for balancing handles, which always keeps the handle in position ready for use; ball axle bearings.



No.	Sec- tions.	Diam. In.	Width. In.	Weight Empty.	Weight filled with Water.	Price.
601.....	1	14	20	60	250	\$17.00
602.....	1	18	24	75	330	22.00
603.....	1	24	24	180	525	25.00
604.....	1	24	32	200	665	27.50

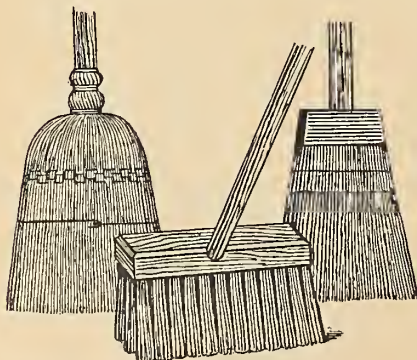
BOSS HORSE ROLLERS (Iron)

No.	In.	Ln.	Sec- tions.	Lbs.	Weight.	Price	No.	In.	Ln.	Sec- tions.	Lbs.	Weight.	Price
40	24	30	3	650	\$89.90		43	28	30	3	800	\$108.50	
41	24	40	4	800	105.40		44	28	40	4	1000	130.20	
42	24	50	5	950	120.90		45	28	50	5	1200	151.90	
63	24	5	5	1450	137.95		67	28	6	6	1950	181.35	
65	28	4	4	1350	131.75		68	32	4	4	2200	210.80	
66	28	5	5	1650	156.55		69	32	5	5	2600	244.90	

Price of Horse Rollers are f. o. b. Norfolk, Va.

BROOMS AND BRUSHES

For sweeping paths, gutters, roads, etc.; all with handles.



BROOMS

No. 230. Japanese Fibre (see cut)...	\$0.85
No. 8. Corn and Rattan mixed...	1.00
Golf Greens (Birch).....	.35
No. 7. Plain Corn, extra quality (see cut).....	.85

ROAD BRUSHES (With Handles)

No. 271. Rattan Push, 14 in. (see cut).....	\$1.50
No. 0286. Bass or Cocoa Push, 14 in.....	1.50



English

Little Giant

SICKLES OR GRASS HOOKS

English Rivet Back, No. 2.	\$1.15
English Solid Back, No. 2.	1.00
Little Giant.....	.75
P. P. Wt. on Grass Hooks, 3 lbs. each.	

FLAT FILES

For sharpening lawn mowers.	
P. P. Wt. Each	
8 inch..... 8 ozs.	\$0.25
10 inch..... 12 ozs.	.30
12 inch..... 1 lb.	.50



Flat File

SCYTHE STONES

	Each	Doz.
Talacre Style (American).....	\$0.40	\$4.20
Darby Creek.....	.30	3.20
Carborundum. Very fine.....	.35	4.00

SCYTHE HANDLES, ETC.

No. 50. Made of hard wood, well finished.	
Regular Scythe style.....	\$2.20
Snath Clips.....	.20



LAWN MOWER OIL

Pure oil that will not gum or get sticky is an essential for the satisfactory operation of every mower. The oil sold by us has been selected with this point in view.

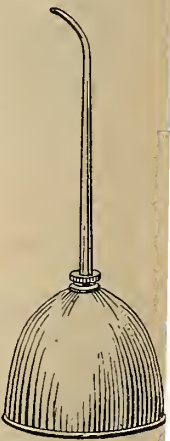
Prices: Per pint, 40c.; 60c. per quart; per 1/2 gal., 75c.; \$1.25 per gal.; 5 gals., \$4.50.

Lawn Mower Oil cannot be mailed.

GEM OIL CANS

Finished, Brazed Steel.
Capacity Spout.

No.	Capacity	Spout.	Price.
No. 1706. 8-oz. 6-in. (bent).....			\$0.60
No. 1706. 8-oz. 6-in. (straight).....			.60
No. C14AA. 8-oz. 5-in. (straight), Cop- pered.....			.75
No. 1606. 1/2-pt. 6-in. (bent), Steel....			.60
No. 1606B. 1/2-pt. 6-in. (bent), Brass....			1.00



EMERY

For sharpening Lawn Mowers. Price, 20c. per lb.; 10 lbs., \$1.70.

ALL PRICES SUBJECT TO MARKET CHANGES WITHOUT NOTICE

(oh)



The TRAYLOR 6-12 FARM TRACTOR is a combination Tractor and Cultivator. It can be easily and quickly adjusted from its normal clearance of fourteen inches to one of twenty-seven inches for cultivating.

This is an **exclusive Traylor feature** and places this farm tractor in a class by itself.

Think of the advantage of having your cultivator always in front of you; of being able to guide it just where you want it, and in doing double the amount of cultivating in a day that can be done with a team.

Owing to its extreme simplicity, light weight and perfect mechanical construction, the TRAYLOR ALL-PURPOSE FARM TRACTOR uses less gasoline and oil, and, for that reason, is more economical and dependable than any other tractor on the market today.

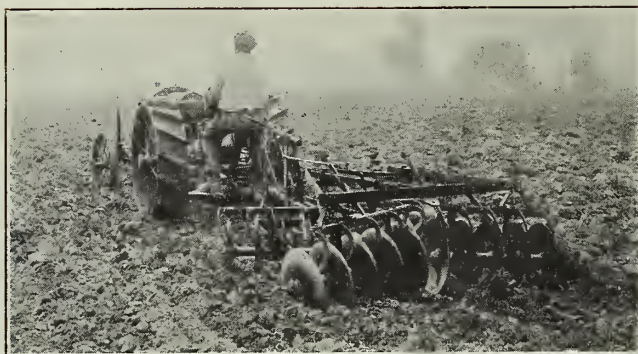
The TRAYLOR is the one safe solution of the farm power problem. It is also a partial solution of the farm labor problem. The low price of the TRAYLOR makes it possible for the average farmer to own and operate an all-purpose tractor **profitably**, no matter how small his farm may be. The TRAYLOR will put your farm on a sound business basis and increase its earning power far in excess of that possible with horses. It costs nothing when idle and requires no stabling or special care.

**DON'T FAIL TO SEE
THE TRAYLOR
TRACTOR AND
CULTIVATOR
ON DISPLAY AT**

MICHELL'S SEED HOUSE

516-518 Market Street

Philadelphia

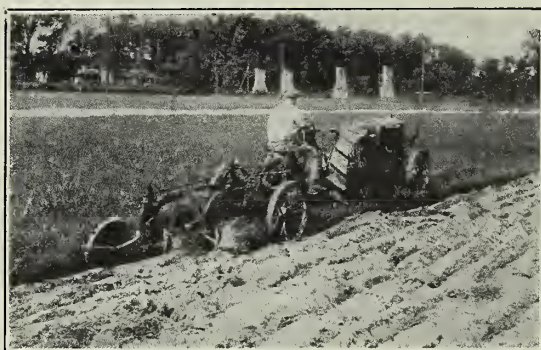


The TRAYLOR ALL-PURPOSE FARM TRACTOR is the direct result of the entire efforts of the Traylor Engineering and Manufacturing Company to produce a **real** All-Purpose Farm Tractor at a popular price, with the idea of making agricultural efficiency and prosperity widespread.

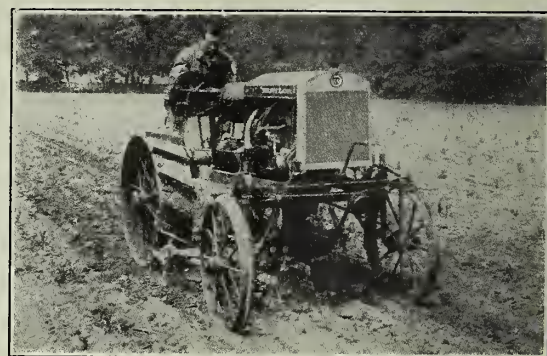
The advantages that a Tractor brings to a farmer are many—greater production, bigger money-making possibilities, and the lightening of physical hardships—and the TRAYLOR ALL-PURPOSE FARM TRACTOR, at \$815.00, F. O. B. Cornwells, Penna., makes it possible for **every** farmer to enjoy these benefits of modern progress.

With the TRAYLOR Tractor, you do practically **all** the work on your farm—**plowing, disking, planting, cultivating, mowing, raking, harvesting, hauling and belt work.** It will make a farm a bigger paying investment and it is sold at a price every farmer can afford to pay.

Simplicity of construction and ease of operation are distinguishing features of the TRAYLOR. There are no unnecessary or complicated parts to cause mechanical trouble for the farmer. It is the sort of tractor that any handy man about the farm can attend to and adjust when necessary without difficulty and without delaying the work.



SIMPLE



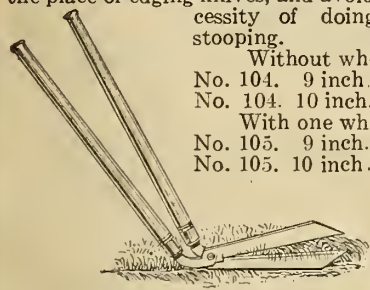
EFFICIENT

ECONOMICAL

On Display and Sold by
MICHELL'S SEED HOUSE
 516-518 Market Street
 Philadelphia

LAWN BORDER SHEARS

Made of finest American steel. They take the place of edging knives, and avoid the necessity of doing much stooping.



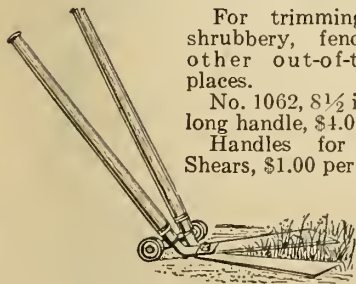
Without wheel
No. 104. 9 inch...\$3.25
No. 104. 10 inch... 3.50
With one wheel.
No. 105. 9 inch...\$4.00
No. 105. 10 inch... 4.50

LAWN BORDER SHEARS

For trimming under shrubbery, fences and other out-of-the-way places.

No. 1062, 8½ in. blade, long handle, \$4.00.

Handles for Border Shears, \$1.00 per pair.



GRASS SHEARS



P. P. Wt. Each

012.—7 inch, American...2 lbs. \$1.00
3075.—5½ inch, English....2 lbs. 1.50
3075.—6½ inch, English....2 lbs. 1.75
0267.—6 inch, American...2 lbs. .75

TURF OR SOD LIFTERS



American. A convenient device for lifting sod; steel blade, with an 18-inch steel shank and wood D handle. Price, \$1.50 each.



English No. 275. For lifting sod and turf. Best steel; will last a lifetime. \$5.00 each.



ENGLISH EDGING KNIFE

For prices and description see top of next column.

EDGING KNIVES

For trimming edges of paths, etc.

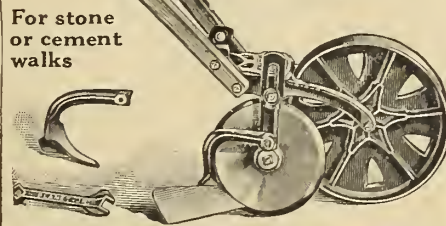
*Equipped with handle. Other styles are sold at additional price of 25c. for handles.

Mehler Edging Tool.....\$1.25
*No. 040. American..... 1.00
No. 3863. English, 8 inch..... 2.25
No. 3863. English, 9 inch..... 2.50

PLANET JR. GRASS EDGER

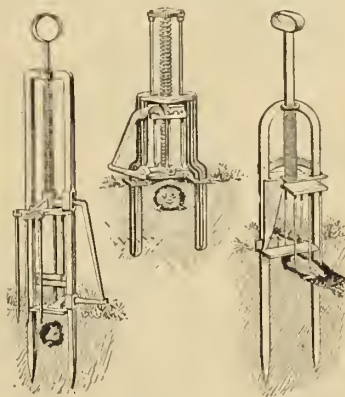
Price, \$10.25

Packed weight, 28 lbs.



For stone or cement walks

With the Planet Jr. Edger you can cut the turf symmetrically with charming effect, at the speed of a walk. In edging cement or flagstone walks, the Planet Jr. Edger cuts out a small "V" shaped piece of the turf, leaving a uniform finish to the walk, the last word in neatness and beauty. By a simple change the tool may be used either for cement, brick, stone or gravel walks and drives, or for flower beds. It can be set to allow the wheel to run either on the walk or on the grass. Used after rains.



Reddick Olmsted Rittenhouse

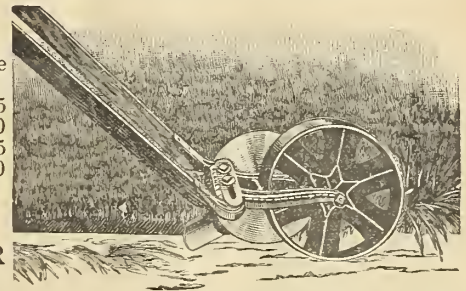
MOLE TRAPS

For catching moles that ruin lawns and damage the contents of hotbeds and cold frames. Moles move usually about 5 A. M. and 5 P. M., so that traps should be set for that period. Explicit instructions go with each trap.

Olmsted.....\$2.25
Rittenhouse..... 1.25
Reddick..... 1.50

P. P. Wt. of the above, 3 lbs.

Complete Booklet on the Habits of the Mole mailed free, or included with each Mole Trap if asked for at time of ordering.



CAPITOL LAWN TRIMMER AND EDGER

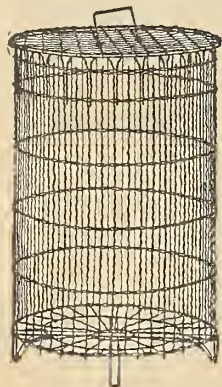
This will be found to be a splendid device for trimming along borders, fences, etc.; it is also equipped with a disc edging device for walks; made of best quality steel. Price, \$10.50.

THE TRAYLOR TRACTOR

A great many country estates operate farms in conjunction with their show places. The Traylor Tractor is a general purpose, all-round tractor which will appeal at once to any practical person who may have use for such a machine. It is built so as to enable one to hitch most any ordinary farm implement to it in a few moments. It is our purpose to have one of these tractors on display in our show rooms, where a personal inspection will prove interesting. It is made at Cornwells, Bucks Co., Pa., about 18 miles from Philadelphia, which will completely answer the question of parts or service. Descriptive circular on request. Price \$815.00 for the tractor only, f. o. b. Cornwells, Pa.

IMPORTANT NOTICE

The attention of our patrons is called to prices. Those listed in this catalog were in effect at the time of printing. We will make any reductions voluntarily as the cost of merchandise is reduced to us.



RUBBISH CONSUMERS

Made of galvanized wire; an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

Light Wire

Diam. High Price
No. 1, 20 x 30 in..\$5.50
No. 2, 17 x 25 in.. 4.50
No. 3, 14 x 21 in.. 4.00
No. 4, 12 x 18 in.. 3.50

Extra Heavy Construction

No. 20, 20 x 30 in..\$16

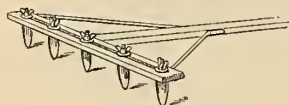
IDEAL DANDELION EXTRACTOR

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade is of the best steel, equipped with a convenient handle, so that either man, woman or child can use it. 50c. each.



DOCK LIFTER

For field and farm use; will uproot the deepest seated weed or dock; has tremendous leverage. Made of wrought iron and oak wood; no wear out to it. Price, \$3.50. (Not Mailable)



Marking Rake

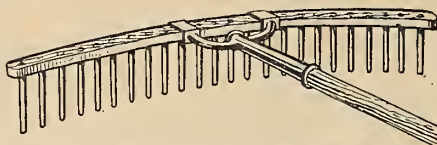
MARKING RAKE

Has a spread of 4½ ft.; equipped with five adjustable brass teeth; no better method of row marking can be employed; suited for setting plants or sowing seed. The frame and handle are oak; no wear out to it. Price, \$7.00. (Not Mailable).

Extra Teeth for same. Price, 60c. P. P. Wt., 2 lbs.



Dock Lifter



OLE OLSEN LAWN RAKE

This rake head is slightly curved from the centre to each end, which does not allow any material that has been caught by the teeth to slip around the edges.

26-tooth, hickory wood. Price, \$1.25.

THE GEM DANDELION RAKE No. 2

The rake is so constructed that it cuts off the flower heads and buds, preventing further propagation from seed, when the plants themselves will soon die out.

The rake is self-cleaning; it can also be used for leaves or grass.

No. 2, 24 inches wide.....\$4.00 each
No. 1, 16 inches wide..... 3.00 each

EARLY BIRD RAKE

For cleaning worm casts off putting greens. \$8.00.



WIRE LAWN OR GRASS RAKE

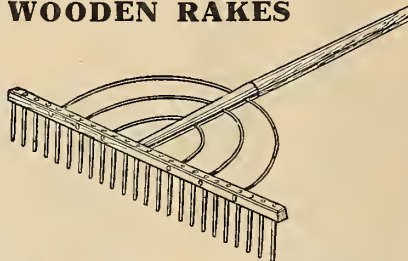
Made of heavy tinned steel wire. The rake is reversible.

No. Tooth | No. Tooth
124R...24...\$1.00 | 36 LR...36...\$1.50

No. 342...42-tooth.....\$1.75

No. 342-42-tooth, very close for cleaning off putting greens, \$1.75.

WOODEN RAKES



Ames, No. 37X. 24-tooth, steel bows..\$1.50
Ames, No. 30X. 14-tooth, hard wood. 1.25
Wire Braced. 20-tooth, lawn..... .75

STEEL GRAVEL RAKES

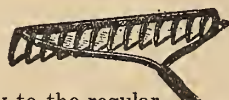
These rakes are used for roads and paths. Having very short teeth, they do not gather up stones or gravel.

No. Tooth | No. Tooth
G12...12...\$1.05 | G16...16...\$1.25
G14...14... 1.15 | G18...18... 1.35
G20...20-tooth.....\$1.45

STEEL BOW RAKES

Preferred by many to the regular garden rake, the teeth being slightly bent.

No. Tooth | No. Tooth
B12...12...\$1.05 | B14...14...\$1.15
B16...16-tooth.....\$1.25



STEEL GARDEN RAKES

Made of best cast steel, with long teeth.

No.	Tooth	No.	Tooth		
10.....	10....	\$0.95	16.....	16....	\$1.10
12.....	12....	1.00	18.....	18....	1.20
14.....	14....	1.05			

HOE AND RAKE (Combined)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

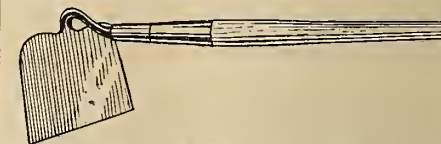
No. 4P. 4-prong.....\$1.00
No. 6P. 6-prong..... 1.10



HALF MOON HOES

Best steel, solid sockets, which will not pull out.

No.	HM3.	3-inch	.....	\$0.95
No.	HM4.	4-inch	.....	1.05
No.	HM5.	5-inch	.....	1.05
No.	HM6.	6-inch	.....	1.10
No.	HM7.	7-inch	.....	1.10
No.	HM8.	8-inch	.....	1.15



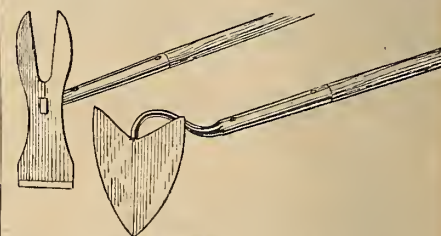
SQUARE HOES

No.	G06.	6-inch, solid shank	.....	\$1.00
No.	G07.	7-inch, solid shank	.....	1.10
No.	G08.	8-inch, solid shank	.....	1.20
No.	010.	10-inch, for celery	.....	1.75
No.	K14½.	14-inch, for celery	.....	2.25

TWO-PRONG ONION HOE

Will be found very valuable in weeding in narrow rows. (See cut below.)

No. 2P. Price.....\$0.75



WARREN HOES

Excellent tools for making drills preparatory to sowing of seed. The backs can be used for covering. (See cut above.)

No. W7.....\$1.10 | No. W8.....\$1.20
Baby Warren Hoe No. BW4½. Short Handle, 50c. each.

Special Steel Weeding Hoe No. 3W. Short Handle, 60c. each.

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.



TOMATO TRANSPLANTING HOE

No. 41. Avoids kneeling when planting. Made of best steel. Price, \$1.50.

SCUFFLE HOES

Made of best steel.

5-inch	\$1.15
6-inch	1.35
7-inch	1.50
8-inch	1.60
10-inch	1.75

Handles for Scuffle Hoes, 25c. each extra.



MEHLER HANDY HOE

This will do what any half-moon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. Price, \$1.75.

Please note.—Mehler Garden Tools cannot be sent by Parcel Post.



MEHLER GARDENER

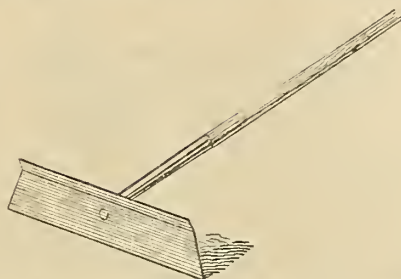
An entirely distinct tool. Avoids bending the back. Works closer to the plant than any other device. No hoe is needed where this is used. Just the thing for working among flowers and vegetable plants.



\$1.25 each. Not mailable.

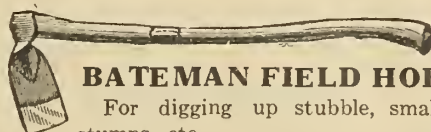
AN INVITATION

On the first floor of 516 Market St. (our newly acquired addition), we have established what is probably the best arranged display room for Garden and Farm Tools and Implements—Come and see it.



MEHLER HANDY SCRAPER

This was originally designed as a dropping-board scraper in poultry and pigeon houses. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. Price, \$1.50.



BATEMAN FIELD HOE

For digging up stubble, small stumps, etc.

No. 1.	5 1/2-inch blade, each.....	\$2.25
No. 2.	6 1/2-inch blade, each.....	2.75
No. 3.	8 -inch blade, each.....	3.25



SHOVELS

We handle only the very best makes of steel shovels. Every one guaranteed.

Short Handle

'Ames, round point.....	\$2.75
Ames, square point.....	2.75
Red Edge, round point.....	2.75
Red Edge, square point.....	2.75
Portage City, round point.....	1.75
Portage City, square point.....	1.75

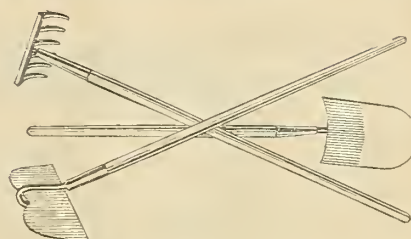
Long Handle

Ames, round point.....	\$2.75
Red Edge, round point.....	2.75
Portage City, round point.....	1.75
Portage City, square point.....	1.75



STEEL SPADES

Ames, short handle.....	\$2.75
Red Edge, short handle.....	3.00
Nursery (Ames), short handle.....	3.75
Portage City, short handle.....	1.75
Boys'.....	1.60



GARDEN TOOL SET

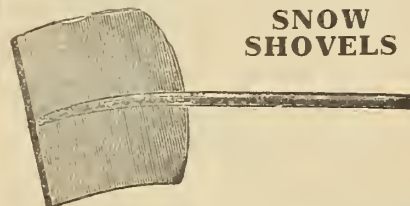
For ladies and children, in fact they are suitable for the country gentleman, consisting of 1 hoe, 1 rake and 1 spade, No. 3PF. Large size, per set, \$1.75.



STEEL SCOOP SHOVELS

All equipped with strapped shanks, wood D or short handles.

No. 2.	10 -inch mouth.....	\$2.00
No. 3.	11 -inch mouth.....	2.10
No. 4.	11 1/2-inch mouth.....	2.25
No. 5.	12 -inch mouth.....	2.35
No. 6.	13 -inch mouth.....	2.50



SNOW SHOVELS

Adams, wood (see cut), D handles.....	\$1.50
Phillips, wood, long handle.....	1.50
Owosso, galvanized, style like Adams...	2.00



POTATO SCOOP

Made of heavy steel wire.....\$3.50



MANURE DRAGS

For manure, potatoes, etc. Flat tines.

No. 4BHFM. 4 tine..	\$1.40
No. 6BOH. 6 tine..	1.65

IMPLEMENT HANDLES

Axe.....	Each \$0.40
Spade, plain.....	Each .80
Fork, Spading, plain.....	Each .80
Fork, Manure, plain, short.....	Each .80
Fork, Manure, plain, long.....	Each .80
Shovel and Spade, short, plain..	Each .80
Hoe, plain.....	Each .25
Rake, plain.....	Each .25
Pick or Mattock.....	Each .60
12-foot Poles..	\$2.00 | 14-foot Poles..\$2.25



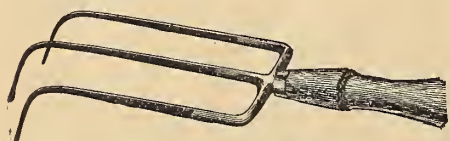
EUREKA WEEDING FORK, No. G

Made of best flexible steel; splendid for loosening soil in the garden, in hotbeds, etc. 50c. Parcel Post Weight, 2 lbs.



EXCELSIOR WEEDING FORK, No. 300

Made of malleable steel, finished in tin. 25c. Parcel Post Weight, 1 lb.



EUREKA WEEDER No. E

Made of flexible steel; very light, an ideal tool for market gardeners, florists and amateurs. 50c. Parcel Post Weight, 2 lbs.



EXCELSIOR WEEDER

Made of malleable iron, finished in tin. 25c. Parcel Post Weight, 1 lb.



MAGIC WEEDER

Made of heavy galvanized flexible wire, with flattened prongs or ends. Short Handle, Small, 25c. Short Handle, Medium, 35c. Long Handle, Large, \$1.25.



DIBBLES

For Planting Bulbs, Etc. Equipped with wooden handles.

A dibble is very useful in planting bulbs, or setting out plants and seedlings. With one of them, a person can transplant more quickly and better than with a trowel, such plants as are not too large. They last a lifetime, provided they are cleaned and rubbed off with an oily cloth before putting away.

No. 2180. Brass point.....\$1.00
No. 218. Iron point......65
Parcel Post Weight, 1 lb.



SPADING FORKS

Strapped shanks, short or D-wood handle. Made of best quality steel.

No. OHW. Men's 4-tine.....\$2.25
No. O5HW. Men's 5-tine.....2.50
No. B4D. Boys' or Ladies 4-tine....1.10

ENGLISH DIGGING FORK, No. EB4

Though made in America, it is made exactly after the pattern of garden forks such as are made and used in England. The prongs are solid steel, with square instead of rounded edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. \$2.50 each.



MANURE FORKS

Strapped Shanks.

04W—4 tine, light, short handle....\$1.75
163 —4 tine, heavy, short handle....2.00
05W—5 tine, medium, short handle..2.00
06W—6 tine, medium, short handle..2.00
044½—4 tine, long handle.....1.25
054½—5 tine, long handle.....1.50



STEEL HAY FORKS

No. 026—2 tine, 6-foot handle.....\$1.25
No. 036—3 tine, 6-foot handle.....1.50



HAZELTINE HAND WEEDER

No. Bw1, 50c. Parcel Post Weight, 1 lb.



MAKEFIELD WEEDER

A splendid little tool for weeding in the garden seed bed, greenhouse or hotbed; made of fine tool steel, it can be sharpened easily and does not become dull readily; with it you can work closer to seedlings in a row than with any other tool we know of. 60c. each.



JOHNSON STEEL TROWELS, No. 211

These are made of one piece steel blade and shank, equal to the imported trowels.

	P. P. Wt.	P. P. Wt.	
5 in.....1 lb.	\$0.80	7 in.....1 lb.	\$0.95
6 in.....1 lb.	.85		



D. S. T. STEEL SHANK TROWEL

These are somewhat long in blade and handle, making a very practical tool. 6-in. blade. Will last a lifetime. 85c. each. Parcel Post Weight, 1½ lbs.



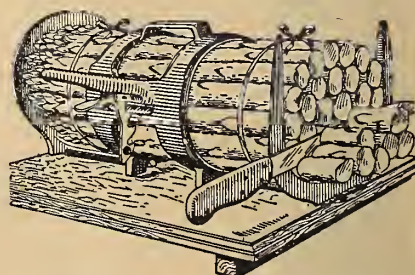
CLEVES' ANGLE TROWEL, No. 217

For getting dandelion, plantain and other weeds out of the lawn, and transplanting.

	P. P. Wt.	Each
5 inch.....	1 lb.	\$0.25
6 inch.....	1 lb.	.30
7 inch.....	1 lb.	.35

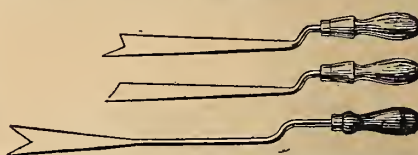
MISCELLANEOUS TROWELS

	P. P. Wt.	Each
No. 213—5 inch.....	½ lb.	\$0.20
No. 213—6 inch.....	½ lb.	.25
Neverbreak—6 inch, heavy steel, 1 lb., 25c.		



ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market, it pays to use a buncher. It is tied quickly and looks uniform. Price, with knife guard, \$3.50.



ASPARAGUS KNIVES

No. 45. Bateman's (see center cut)...	\$0.60
Fig. 399, No. 3 American. V-shaped blade, short handle.....	.65
Fig. 399, No. 3 American. V-shaped blade, long handle.....	.75



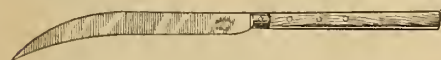
HORTICULTURAL KNIVES

A good knife is an essential to every gardener and florist. Our stock consists of such styles that are practical and in demand. They are all of the best steel. Every one is guaranteed to be perfect.

No.	Blades	Style Handle	Each
343	2 Saynor, brass lined, ivory		\$3.75
727W	2 Brass lined, white		1.75
04993	2 Steel lined, ebony		1.75
400	1 Saynor, not lined, ivory		3.75
401	1 Saynor, not lined, ivory		3.50
2852 1/2	1 Not lined, bone		1.25
928	1 English, steel lined, stag		2.75
924	1 English, steel lined, stag		2.50
778B	1 Brass lined, ebony		.85
105	1 Heavy, steel lined, cocoa		1.25
303	2 Saynor, Pruning, stag		2.50
187	Saynor, Pruning, 1 blade		3.25
204B	Saynor Budding, 1 blade		4.25
01859	2 Iron lined, bone		1.00

BRUSH OR BRIAR HOOK

No. 43. Steel cutting blade; long handle. Price.....\$1.50



STEEL HEDGE KNIFE

For cutting heavy brush, shrubbery, hedges, etc. Made of the finest steel with a slight hook on blade. Each, \$2.75.



ENGLISH BILL HOOKS

For trimming heavy shrubbery, trees, etc. P. P. Weight, 4 lbs.

Short Handle.....} Price on application
Long Handle.....}



PEXTO SCREW DRIVERS

Parcel Post Weight, 1 lb. each.

4-in. blade....\$0.50	7-in. blade....\$0.80
5-in. blade.... .65	10-in. blade... 1.00



TREE SCRAPERS

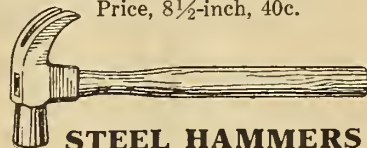
For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handle, 75c.

Parcel Post Weight, 1 lb.

TREE OR BARK BRUSHES

For brushing down trees; for removing insects, borers, etc. Made of steel.

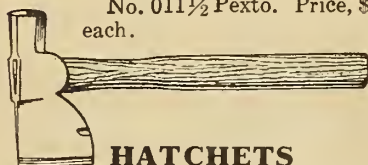
Price, 8 1/2-inch, 40c.



STEEL HAMMERS

No. 011 1/2 Pexto. Price, \$1.25

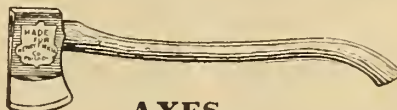
each.



HATCHETS

Made of the best quality tool steel, that will keep an edge.

Plumb.....\$1.50



AXES

Plumb, medium, man's size.....\$3.25

Plumb, boys' size..... 2.75



MONKEY WRENCHES

For machinery. Made of first quality hard steel; 8-inch, \$1.15; 10-inch, \$1.35.

Parcel Post Weight, 1 lb. each.



STEEL PLIERS

No.	P. P. Wt.
133. Side cutting, 6 in.....	1 lb. \$1.25
133. Side cutting, 7 in.....	1 lb. 1.40



GRAFTING WAX

1/4 lb., 20c.; 30c. per 1/2 lb.; 1 lb., 50c.



GRAFTING TOOL

Made of the best steel. For grafting trees, etc.

All steel. P. P. Weight, 1 lb.....85c.



PICKS (Price Includes Handle)

All steel. Double point, \$2.00; axe point, \$2.00.



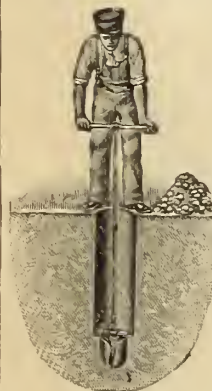
MATTOCKS

(Price Includes Handle)

Axe, pointed (see cut).....\$2.50

Pick, pointed..... 2.50

Half Mattocks or Grub Hoes..... 1.50



POSTHOLE DIGGERS

No. 8. (See Cut).

This bores a hole 3 1/2 ft. deep and can be adjusted in diameter from 8 to 14 inches. \$6.00.

No. 15. Eureka, \$3.50.

Post Hole Spade

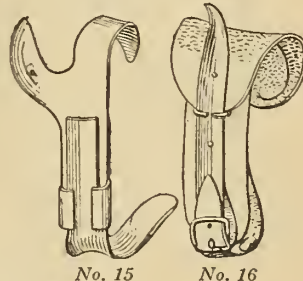
All steel with either point or tamper end, \$2.75.

HUSKING PINS

No. 15. Universal. All metal; adjustable to any size hand. 25c.

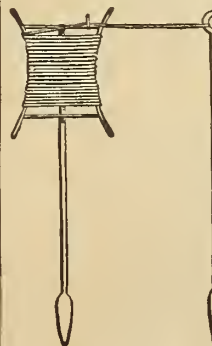
No. 16. Combination; leather and metal. 35c.

Parcel Post Weight, 4 ounces each.



CORN KNIFE

Eureka, bent blade. Weight, 2 lbs.. \$1.00



GARDEN REELS

Small, Single...\$1.25

Medium, Single. 1.75

Large, Double... 3.50

Large, Single.... 3.00

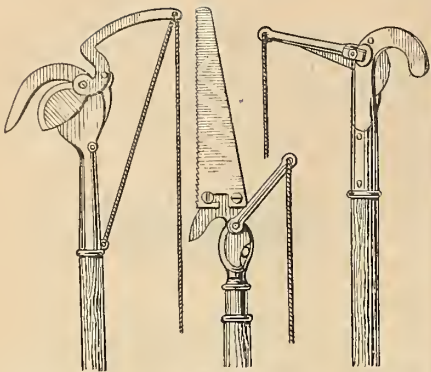
GARDEN LINE

Best quality cotton

braided, woven closely.

100 ft. hanks....\$2.50

Plow Line Cotton, 45-ft. hanks.....\$1.50



Disston's Little Giant Disston's Little Giant With Saw Telegraph

TREE PRUNERS

Disston's Little Giant. Pruner...\$2.75
Parcel Post Weight, 3½ lbs.

Disston's Little Giant. With saw attachment...\$3.50
Parcel Post Weight, 4 lbs.

Prices are for Pruner without rope or pole.

TELEGRAPH TREE PRUNERS

Removable blade, which can be renewed when worn out for 25c. Price, plain, without pole, \$2.00. Parcel Post Weight, 2 lbs.

WATERS TREE PRUNERS

With removable cutting blade and pole complete.

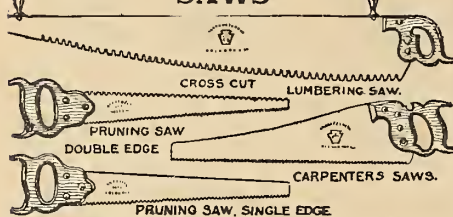
4 feet.....\$2.25
6 feet.....2.50
8 feet.....2.75
10 feet.....3.00
12 feet.....3.25

Extra Blades for Waters Pruners, 25c. each.
The Waters Tree Pruners are equipped with poles.

Waters Pruners are not available.
Poles for Tree Pruners

12 feet long.....\$2.00
14 feet long.....2.25

SAWS



DISSTON PRUNING SAWS

P. P. Wt. Each
No. 40. 18-inch. Avery double edge.....2 lbs. \$1.35
No. 40. 20-inch. Avery double edge.....2 lbs. 1.45
No. 7. 16-inch. Single edge...2 lbs. 1.75
No. 7. 18-inch. Single edge...2 lbs. 1.85
No. 7. 20-inch. Single edge...2 lbs. 1.95
No. 7. 22-inch. Single edge...2 lbs. 2.05

CARPENTER SAWS

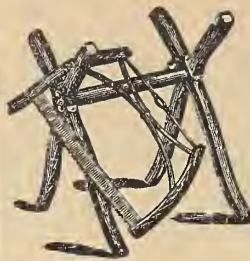
State if rip or cross-cut is wanted.

Disston No. 8D. 26-inch blade.....\$4.00
Disston No. 8D. 28-inch blade.....4.60

CROSS CUT LOG SAWS

Disston Make.

Keystone No. 3, one-man, 3½ ft. blade.\$4.00
Gt. American, two-man, 5 ft. blade... 6.90



BUCK SAW
Each.....\$2.50

SAW-HORSE or WOOD BUCK

Each.....\$1.00



EXTENSION LADDERS

These are made in the best manner possible; are complete, being equipped with the necessary rope and pulleys.

16 feet.....	26 feet.....	80c.
18 feet.....	28 feet.....	per ft.
20 feet.....	30 feet.....	85c.
22 feet.....	32 feet.....	per ft.
24 feet.....	34 feet.....	

SINGLE PLANK LADDERS

Made of good hard wood, free from faulty knots and with perfect rounds.

10 feet.....\$6.00	16 feet.....\$9.69
12 feet.....7.20	18 feet.....12.60
14 feet.....8.40	20 feet.....14.00

STEP LADDERS

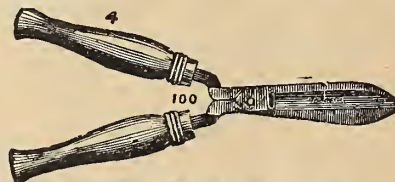
85c. per ft.



LEATHER PRUNING GLOVES

Parcel Post Weight, 1 lb. per pair.

No. 216. Horsehide, with gauntlets, lined.....\$2.85
No. 66. Horsehide, with gauntlets, not lined.....2.75
No. 62. Buckskin, with gauntlets, not lined.....3.50



HEDGE SHEARS

No.	P. P. Wt.	American	English
1. 6½-inch, Ladies'	4 lbs.	\$1.50	
101. 8-inch.....	4 lbs.	2.35	\$3.50
101. 9-inch.....	5 lbs.	2.65	3.75
101. 10-inch.....	5 lbs.	3.00	4.75
101. 12-inch.....	6 lbs.	4.00	6.00

Bolts and Nuts for hedge shears, 25c. complete.

Handles for Hedge Shears, 75c. per pair.
P. P. Weight on Handles, 2 lbs. per pair.



LEVIN PRUNER No. 23

The handle of these shears affords a great deal of leverage, which makes very easy cutting possible. Price, \$1.25. Weight, 2 lbs.

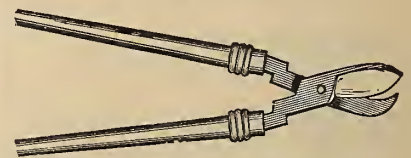


Rhodes Lopping Shears

LOPPING SHEARS

Rhodes Lopping Shears. Makes an absolutely clean, perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating Lopping Shears ever made or sold. 24-inch and 28-inch handles. Price, \$5.25.

Weight, 5 lbs.



No. 109 English Lopping Shears. 4-inch cut; made of the finest English steel; has great cutting power; will sever heavy branches readily (see cut). Price, \$7.00.

No. 5400 Clyde Lopping Shears. 24-inch handles; a splendid, medium-priced tool; Weight, 5 lbs.; 1½-inch jaw. Price, \$4.00.

No. 5400 Clyde Lopping Shears. 30-inch handles. Weight, 5 lbs. This shear has a straight jaw so that it will handle a limb up to at least 2½ inches in diameter; fitted with an adjusting nut to keep it tight. Price, \$4.25.

No. 5406 Rockdale Lopping Shear. 26-inch handle, \$2.00.

PRUNING SHEARS, ETC.

Our pruning shears are procured from the most reliable makers and all are fully guaranteed.



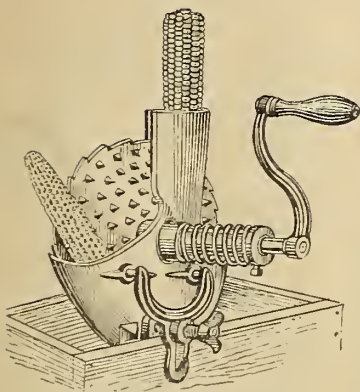
Wiss Pruning Shears

No.	P. P. Wt.	Each
No. 109 Wiss, 8 in.....	2 lbs.	\$4.50
65 Pexto American, 9 in.....	2 lbs.	2.25
R165 Pexto American, 9 in.....	2 lbs.	2.50
R170 Pexto American, 9 in.....	2 lbs.	2.75
23 Henckel, 4½ in.....	1 lb.	2.00
23 Henckel, 6½ in.....	1 lb.	2.25



No.	P. P. Wt.	Each
14 Nickeled, 6½ in.....	1½ lbs.	\$1.40
0 American.....		.60
999 Michell's.....		3.25
290 Michell's.....		3.00
240 Michell's.....		2.75
30 Michell's.....		1.50
40 Michell's.....		2.25
1500 Hessenbuch, 5½ in., nickeled.		1.75
1234 Hessenbuch, 7 in., nickeled.		2.00

Spiral Springs for any of the above Pruning Shears. 15c. each; per doz., \$1.50.
Parcel Post Weight, per doz., ½ lb.

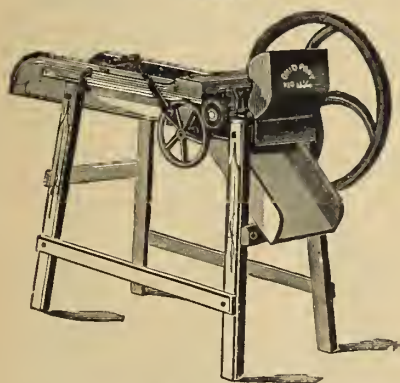
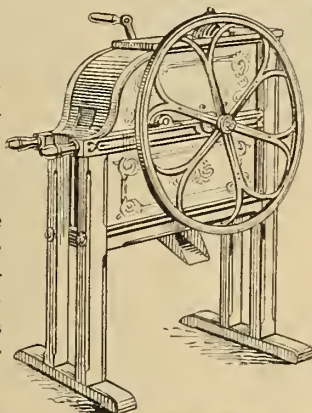


BLACK HAWK CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing; suitable for fastening to a bench, box, etc., for shelling small quantities of corn. \$4.00 each.

PENNA. CORN SHELLER, No. 3

Useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out another \$20.00.



OHIO HAY AND FEED CUTTER

For cutting hay, ensilage, etc.
No. 11 $\frac{1}{4}$, Ohio. Single knife.....\$40.00
Triumph. Double knife..... 35.00



OUT-O-SIGHT TRAPS

The most satisfactory mouse and rat trap. Set off at the least vibration.

P.P. Wt. Each
Mouse..... 8 ozs. \$0.10
Rat..... 1 lb. .25



AUTOMOBILE HEATERS

These will keep the temperature above freezing in most any ordinary closed vehicle during the severest weather.

No. 10. 3 Drawer \$10.00.

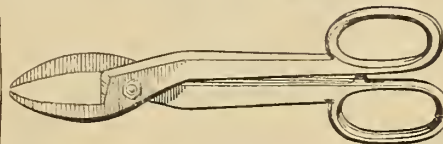
No. 7B. Lehman, covered with green Brussels carpet; 14-in. long. \$6.60 each.

Coal for automobile heaters. \$1.25 per doz. bricks; per 100, \$8.50.

Tongs for handling hot coal, 35c. pair.

THE CLARK WAGON HEATER

This indestructible steel wagon heater is admirably suited to the needs of all who operate delivery wagons for goods subject to freezing. It yields a strong, steady heat without smoke or odor. Strong, safe and practical. Price, \$3.50 each.



Heavy Tinners' Shears

WIRE AND TIN SHEARS

No. 833. 7 $\frac{1}{2}$ inch, used for cut flower wire, etc.....\$1.35

No. 832. 8 inch, used for cut flower wire, etc..... 1.45

Parcel Post Weight, 1 lb.

No. 12. 10 inch for heavy wire and tin. 1.75

8 inch for heavy wire and tin. 1.60

Parcel Post Weight, 2 lbs.

FLOWER SCISSORS

No. 1922. Cuts flower and holds the stem. Price.....\$1.75

Parcel Post Weight, 4 oz.

GRAPE SCISSORS

For thinning out bunches of grapes, and not disturbing the berries that are to remain for development.

P. P. Wt.

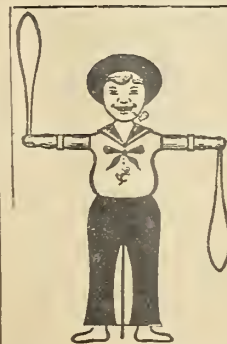
No. 6148. 6 inch.....8 ozs.

Price upon application.

AN INVITATION

On the first floor of 516 Market St. (our newly acquired addition), we have established what is probably the best arranged display room for Garden and Farm Tools and Implements—Come and see it.

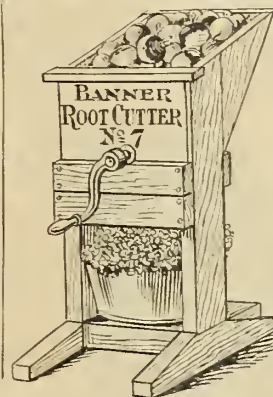
HAPPY JACK SAILOR WINDMILL



An interesting feature for the children's garden, although they are equally practicable for the grown-ups. They revolve with the least puff of wind, and on account of their looks they serve as a scarecrow for undesirable birds or animals. They can be fastened to any tree, post, house or wash line pole.

Please note while this illustration shows a pipe in the mouth of Happy Jack, the manufacturer is now omitting this feature. P. P. W., 3 lbs. Height, 15 in., \$1.50 each.

BANNER ROOT CUTTER



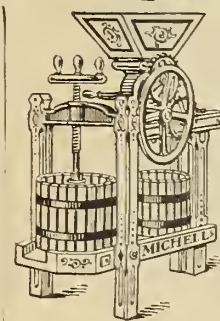
Roots of vegetables cut up fine take the place of grass and greens during the winter months.

No. 7. For poultry, sheep and lambs, \$7.00.

No. 16. Medium size, \$25.00.

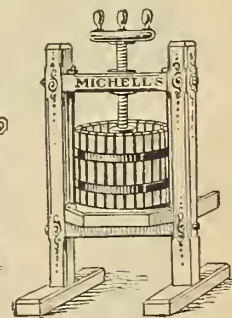
No. 35. Large size, \$32.50.

If pulley is wanted on Nos. 16 and 35, add \$1.50.



CIDER MILLS

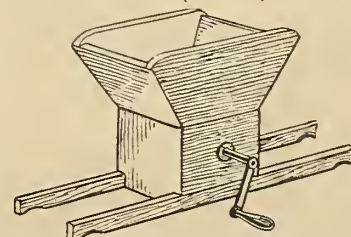
Junior.. Prices
Medium upon
Senior.. application.
Bantam



WINE PRESSES

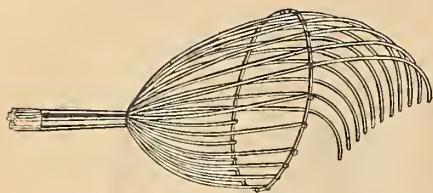
Made of best quality wood, carefully bolted and finished.

No. 1 } Prices
No. 2 } upon
No. 3 } application.



GRAPE GRINDER

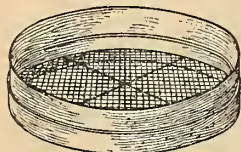
Suitable for crushing berries, grapes and similar soft fruit. Price upon application.

**BOSS FRUIT PICKER**

Made substantially of galvanized wire. Can easily be attached to a pole of any length. Price, 60c. P. P. Weight, 2 lbs.

MASTERS FRUIT PICKER

Equipped with an attachment for a pole and holding bag; a very desirable type, that will not bruise the fruit. \$2.00.

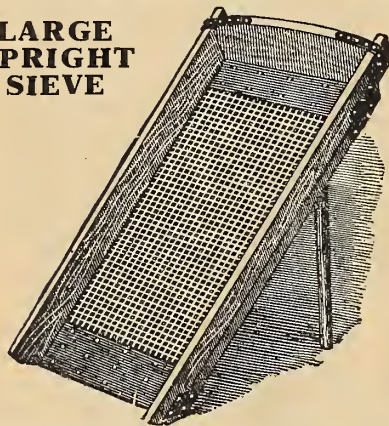
**SIEVES**

(Any Size Mesh)

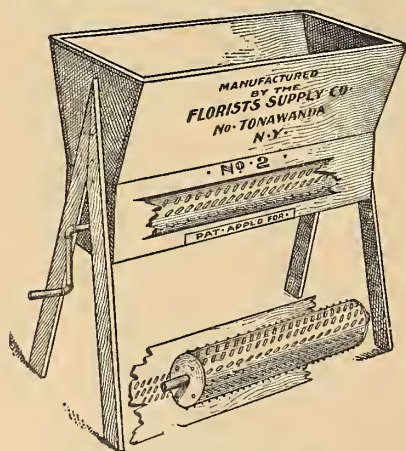
Made extra well.

P. P. Wt. Each

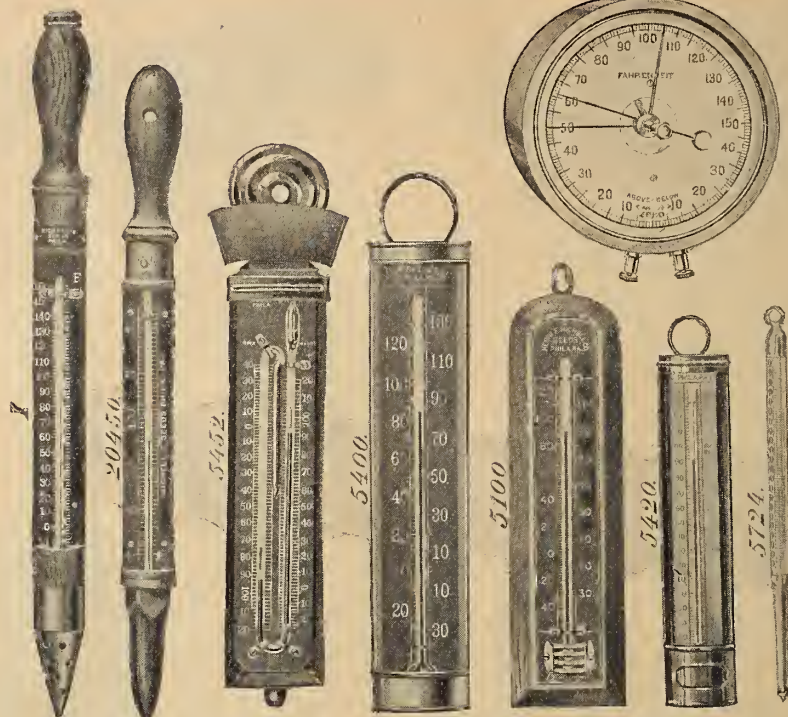
20-inch Steel (Heavy).....\$1.50
20-inch Galvanized wire.....6 lbs. 1.75
18-inch Galvanized wire.....6 lbs. 1.65

LARGE UPRIGHT SIEVE

For soil, gravel, sand, etc. Made in any size mesh, of extra heavy grade foundry wire. \$16.00 each.

**SOD CRUSHER AND SOIL PULVERIZER**

These machines are equipped with a hopper and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding the necessity to sift. No. 1, \$24.00 | No. 2, \$34.00 | No. 3, \$45.00

**THERMOMETERS**

No. 5452. Maximum and Minimum. Registering the coldest and the warmest point during the previous night.

8-inch, each, \$5.00; 10-inch, each, \$5.75.

TESTED THERMOMETERS

	Each
No. 5420B—8 in., Tin Case.....	\$1.25
No. 5420B—10 in., Tin Case.....	1.50
No. 5420B—12 in., Tin Case.....	1.75
No. 5400—8 in., Genuine Copper Case	1.75
No. 5400—10 in., Genuine Copper Case	2.25
No. 5100—8 in., Wood Back, Black Scale.....	2.00
No. 5100—10 in., Wood Back, Black Scale.....	2.25

GLASS DAIRY THERMOMETERS

No. 5724. For testing milk, etc., also used for soil purposes. 85c. each.

MUSHROOM OR HOTBED THERMOMETERS

No. 20450. Galvanized Iron Point, each \$2.25
No. 1. Brass Point, Paper Scale, each 2.00

ELECTRIC THERMOSTAT

This device can be set to ring an alarm when the temperature goes above or drops below a desired point. All brass. Not waterproof style, \$12.00; Waterproof style, \$17.00. See illustration above.

Please note we do not guarantee the safe arrival of thermometers when sent by parcel post.

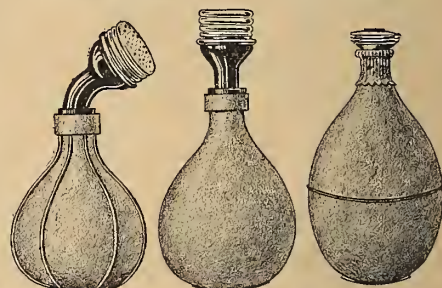
PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.

We offer a complete line of Spraying Apparatus on pages 148 and 149.

**LIQUID MANURE DISTRIBUTOR**

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. \$2.75 each.

RUBBER SPRINKLERS

Spraywell

Scollay

Either Straight Neck or Crook Neck.

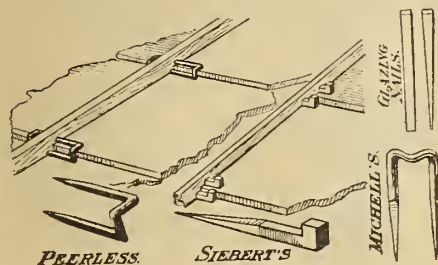
Spraywell, 6 oz. cap. Wt. 8 ozs.....\$0.85

" 8-oz. cap. Wt. 1 lb..... 1.00

" 10-oz. cap. Wt. 1 lb..... 1.25

Scollay No. 1. Wt. 1 lb..... 1.50

Our Garden Tool and Sundries department we believe to be the most fully equipped of any seed store in the United States.



GLAZING POINTS

Michell's Glazing Points. Nos. 2 and 2½, 80c. per 1000. By mail, 85c. per 1000.

Peerless. Three sizes.

No. 1, for single thick glass.

No. 2, for single thick glass.

No. 2½, for double thick glass.

Price, 80c. per 1000. By mail, 10c. per 1000 extra.

Siebert Style. Made with a prominent head; cannot rust; easily driven. ⅝, ¾ and ⅞ inches long. Zinc, 60c. per lb.; 5 lbs., \$2.75. 1000 to 1200 in a lb.

Zinc Glazing Nails. 50c. per lb.; 5 lbs., \$2.40.

Pincers. For driving Michell's and Peerless Points, 60c. By mail, 65c.



GLASS CUTTERS

Single Wheel, steel, each.....\$0.25

6-Wheel, steel, each......60

Diamond (Ebony handle)..... 4.50

Diamond (Cocoa handle)..... 5.50

PERMANITE GLAZING CEMENT

Apply with a mastica machine or "Permanite" Gun.

1 gal., \$2.75; \$12.50 for 5 gals.

Permanite Gun.....\$7.50



GLASS CLAMPS

For supporting broken lights of glass. Per box of 100, \$1.75. P. P. Wt., 1¼ lbs.

TWEMLOW'S PUTTY

Superior to ordinary putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.

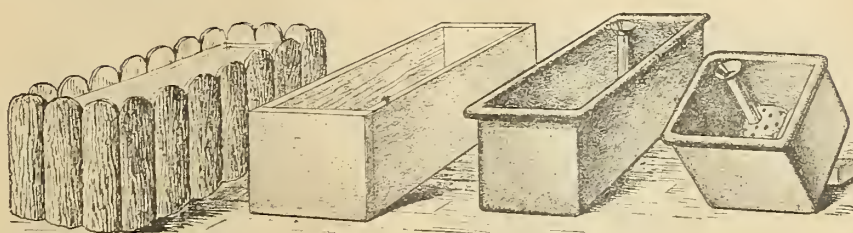
16-lb. can (1 gal.) P. P. Wt., 18 lbs....\$3.25

50 lbs. (3 gals.)..... 9.50

80 lbs. (5 gals.).....15.75

HAMMOND'S GREENHOUSE WHITE

A superior white paint for sash bars, sash frames, etc. 1 gal., \$4.75.



Rustic Window Box

Plain Window Box

Savo Window Box

Savo Plant Tub

WINDOW BOXES

Savo Self-Watering

The Savo Flower and Plant Boxes are made of the best grade of galvanized steel, with neat round corners and a full roll rim, the watering is easy, the drainage ample, the air circulation perfect. The green enamel finish both inside and out prevents rust or leakage. They will last in constant use many years. Reservoir requires water about every 10 days to two weeks.

	Height	Width	Length	Price
Model A,	6½ in.	6½ in.	23 in.	\$3.30
Model B,	8 in.	9½ in.	29 in.	3.85
Model C,	8 in.	9½ in.	35 in.	4.40
Model D,	8 in.	9½ in.	41 in.	4.95
Model E,	8 in.	12 in.	12 in.	3.30
Model F,	12 in.	12 in.	12 in.	3.85

These are outside measurements, including the ¾-inch roll rim. Special sizes made to order when required.

THE SAVO

Self-Watering Plant Tub

Model E—12x12-in. x 8-in. deep....\$3.30

Model F—12x12-in. x 12-in. deep.... 3.85

MASTICA

For glazing greenhouses, new or old. One gallon will cover about 300 running feet.

1 gallon.....P. P. Wt. 15 lbs.\$3.00

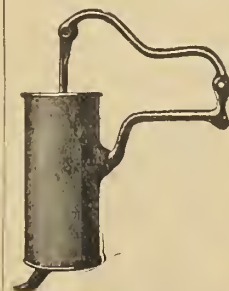
MASTICA MACHINE

For distributing mastica, etc. Made of heavy zinc. Price, \$3.25. P. P. Wt., 2 lbs.

PUTTY DISTRIBUTOR

For distributing putty, mastica, etc.

Price, \$1.50. Parcel Post Weight, 1 lb.



Mastica Machine



Putty Distributor

WINDOW BOXES

Wooden Rustic Bark Style. Attractively made and neatly finished; for indoor or outdoor use.

Length	Depth outside	Width outside	Price
24-inch.....	7½-inch	11-inch	\$2.50
30-inch.....	7½-inch	11-inch	3.00
36-inch.....	7½-inch	11-inch	3.50

Any length made to order, \$1.25 per running foot 11 inches wide.

Plain Wood Style (Painted Green). We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length	Depth outside	Width outside	Price
24-inch.....	6½-inch	8-inch	\$1.75
30-inch.....	6½-inch	8-inch	2.00
36-inch.....	6½-inch	8-inch	2.25

Any length made to order, 90c. per running foot, 8 inches wide.

RUSTIC BARK (Cedar)

For covering boxes, columns or any other article. Per sq. ft., 20c.; \$3.75 per 25 sq. ft.; 50 sq. ft., \$7.00.

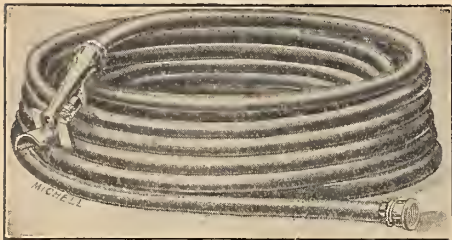


WEDGEWOOD JARDINIERS

Made of wood-fibre, water-proofed, substantial and durable; decorated in many designs and printed in several wedgewood colors. Very attractive for table conservatory or window decoration effects.

No.	Each	Doz.	100
4 for 4-in. pot.....	\$0.20	\$2.00	\$12.50
5 for 5-in. pot.....	.25	2.50	17.50
6 for 6-in. pot.....	.30	3.00	20.00

MICHELL'S GARDEN AND GREENHOUSE ACCESSORIES



RUBBER HOSE

Special attention is called to "Michell's Magic" Hose, a new brand, which, having been thoroughly tried out, has made good.

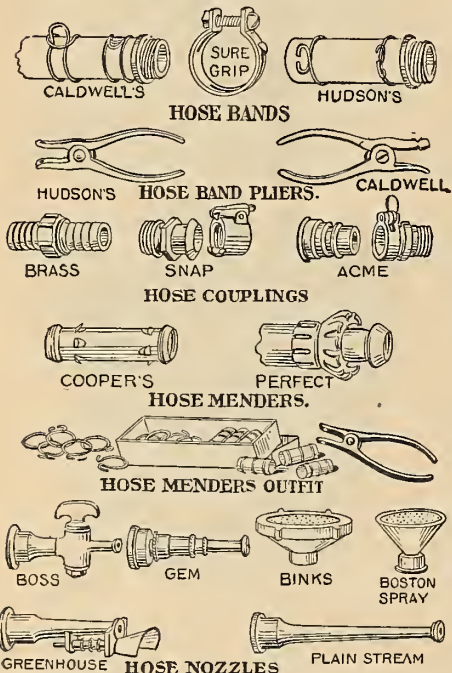
	Per Foot
*Michell's Special, 1/2 in.	\$0.16
" " 3/4 in.	.20
*Michell's Magic. Flexible; durable, uninkable, 3/4 in.	.28
Electric, 3/4 in.	.24
" " 1/2 in.	.22
Spray Pump Hose, 3/8 in.	.15

P. S.—Brands marked * come in reels of 500 feet and sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 35c. per pair for couplings.

Hose Washers. 1 inch, 15c. per doz.; 1/4 lb., 50c.; \$1.75 per lb.; 3/4 inch, 10c. per doz.; 1/4 lb., 35c.; \$1.00 per lb.

HOSE EQUIPMENT



HUDSON HOSE MENDING OUTFIT

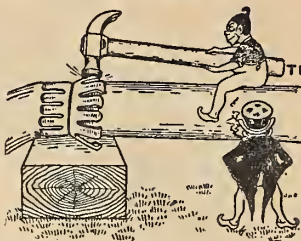
(For 3/4-inch Hose)

Furnishes a complete outfit, consisting of 6 menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands. Price, 85c. each. Parcel Post Wt., 1 lb.

HOSE MENDERS

Perfect.—Made entirely of brass, with swivel motion—No band required.

For 3/4-inch hose, 15c. each; doz., \$1.50.



Parcel Post Weight, per doz., 1 3/4 lbs.

	P. P. Weight	Doz.	Each	Doz.
Cooper's 3/4-inch	1 1/4 lbs.	\$0.12	\$1.25	
Cooper's 5/8-inch	1 lb.	.12	1.25	
Cooper's 1/2-inch	1 lb.	.12	1.25	
Iron, 3/4-inch	2 1/4 lbs.	.12	1.20	
Hudson's 3/4-inch (brass), 1/2 lb.		.08	.85	
Hudson's 1/2-inch (brass), 6 ozs.		.07	.75	

HOSE BANDS

For fastening couplings and menders.

CALDWELL'S

No.	Doz.	100
8. For 3-ply hose	\$0.40	\$2.75
6. For 4-ply hose	.40	2.75

Parcel Post Wt., doz., 1 1/4 lb.; 100, 2 1/4 lbs.

HUDSON'S

See illustration in Hudson Hose Mender Outfit cut opposite.

	Doz.	100
3/4-inch	\$0.18	\$1.25
1/2-inch	.18	1.25

Parcel Post Wt., doz., 1 lb.; 100, 9 1/2 lbs.

SURE GRIP

3/4-inch, 6c. each; per doz., 50c.

Parcel Post Wt., doz., 1 lb.; 100, 9 1/2 lbs.

HOSE COUPLINGS

	P. P. Wt.	Doz.	Pair	Doz.
Plain Brass, 1/2 inch	3 1/4 lbs.	\$0.30	\$3.00	
Plain Brass, 3/4 inch	4 lbs.	.30	3.00	

Perfect. Equipped with a clamp on the male and female part for securing to the hose; no band required; for 1/2- and 3/4-inch hose; mention which is wanted when ordering. 30c. pair; doz., \$3.00.

Snap Couplings. 35c. pair; doz. pairs, \$3.75. (Washers, 20c. doz.)

Parcel Post Weight, per doz., 2 1/2 lbs.

Snap Coupling Parts. No. 2.—Male, 15c. each; per doz., \$1.50.

Parcel Post Weight, per doz., 1 1/4 lbs.

Snap Coupling Parts. No. 1.—Female, 25c. each; per doz., \$2.50.

Parcel Post Wt., per doz., 1 1/4 lbs.

Washers for Snap Hose couplings, 20c. per doz.; per 100, \$1.50.

Acme. No. 3 part, for attaching to spigot, 30c. each; doz., \$3.00.

Parcel Post Weight, per doz., 3 lbs.

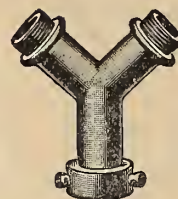
Acme. No. 4 part, for attaching to hose, 50c. each; doz., \$5.00. Wt., doz., 3 lbs.

Couplings complete, consisting of one No. 3 and one No. 4 part, 80c. each; per doz., \$8.00. Wt., per doz., 6 lbs.

RUBBER APRONS

For watering, etc., made of extra heavy material; brass eyelets, \$2.50 each.

No. 68 SIAMESE HOSE CONNECTION



This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used, according to the water pressure. It is specially adapted for lawn sprinkling. Price, 85c. each.

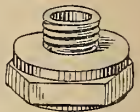
Parcel Post Weight, 1 lb.

HOSE REDUCERS

For reducing 1-in. pipe to fit regular 3/4-in. hose.

Each.....\$0.80

Parcel Post Weight, 1 1/2 lbs.



HYDRANT ATTACHMENTS

To be used for attaching hose to smooth faucets.

No. 2. For small spigot, 60c.

No. 3. For large or standard spigot, 60c.

Parcel Post Weight, 1/2 lb. each.

HOSE NOZZLES

Binks. Made of aluminum, with brass face, equipped with interchangeable sprays, coarse and fine. \$3.00 each. Weight, 1 1/4 lbs.

P.P.Wt. Price

Boston, Light Copper.....1/2 lb. \$1.10

Boston, Heavy Brass.....1 lb. 1.35

Rainbow. An all-brass device with an adjustable arrangement, which regulates in a perfect manner the character of the stream this nozzle will throw. Weight, 1 lb. \$3.25.

Champion. A dandy nozzle for greenhouse use; makes a spray or a solid stream; easily adjusted. P. P. Wt. 1/2 lb. 75c. each.

Mystic. Regulated to give three different streams. Price, 75c. Weight, 1/2 lb.

Allen. Similar to the Mystic nozzle. Parcel Post Weight 1/2 lb. Price, 75c.

Rose. Useful for watering lawn and garden. Parcel Post Weight 1/2 lb. Price, 50c.

Universal. Similar to the Mystic nozzle; has an automatic shut-off.

Weight 1 lb. Price, \$1.65

HOSE REELS

Reels are not mailable.

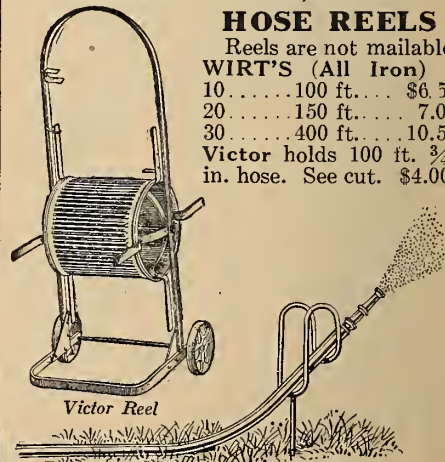
WIRT'S (All Iron)

10.....100 ft.... \$6.50

20.....150 ft.... 7.00

30.....400 ft....10.50

Victor holds 100 ft. 3/4-in. hose. See cut. \$4.00.



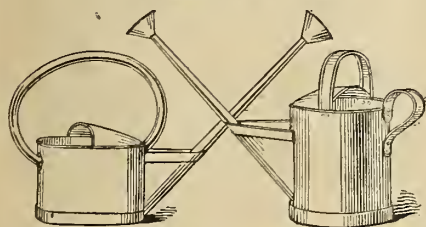
Victor Reel

NOZZLE HOLDER

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 25c. each.

Parcel Post Weight, 8 ozs.

WATER CANS (Wotherspoon's) Extra Heavy—With Long Spout— Will Last for Years



Each Washtons can comes equipped with two roses, one coarse and one fine. These cans not mailable. 2-quart (equipped with one rose only), \$2.00.

	Round	Oval
4 quart.....	\$4.95	
6 quart.....	5.40	\$6.30
8 quart.....	5.85	6.75
10 quart.....	6.30	7.20
12 quart.....	6.95	8.10
16 quart.....	7.65	9.00
12 quart Manure Watering Can	6.00	
4 quart Fern or Low Watering Can.....	3.75	

EXTRA ROSES OR SPRAYS

For Washtons Watering Can, either coarse or fine, 60c. each.

Parcel Post Weight on roses, 8 ozs.

IRON HOSE WATER CANS

Fine for cemetery purposes and other places where a can desired to last is wanted. This is very heavy and substantially made and is quite easily worth more than a cheap galvanized or tin affair. (Not mailable.)

4 quart.....	\$1.40	12 quart.....	\$2.45
6 quart.....	1.60	16 quart.....	3.25
8 quart.....	1.90	20 quart.....	3.50
10 quart.....	2.10		

RUBBER APRONS

For protecting the clothing while watering or doing any work in the garden where your clothes could become soiled. \$2.50.



Enterprise Sprinkler

	Weight	Price
Enterprise. No. 1.....	14 lbs.	\$7.00
Ring or Fountain. Large..	1 lb.	1.00
Ring or Fountain. Small..	3/4 lb.	.60
Pluvius. 11 in. high.....	3 1/4 lbs.	2.00



Ring Sprinkler

Universal. No. 65. 10 in. high.	4 1/4 lbs.	\$2.75
Eureka. No. 55. 10 in. high.	3 lbs.	2.00
Aetna. 24 in. high.....	6 1/4 lbs.	2.75
8-Arm Peck.....		6.00

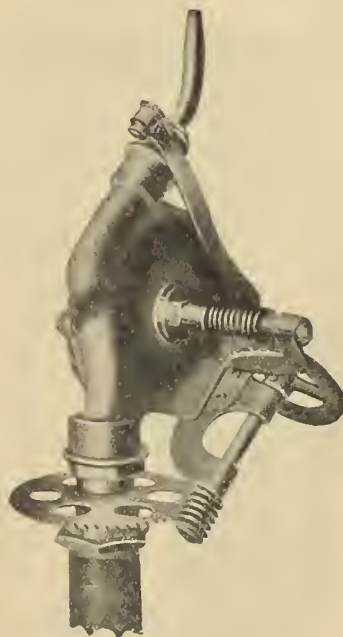


Eureka Sprinkler

CRESCENT SPRINKLER

(See cut.) All brass; suitable for watering confined areas, such as side yards, etc. Sprays only a 1/2 circle at a time. Price, \$1.00. P. P. Wt., 2 lbs.

	Weight	Price
Mayflower. 9 1/2 in. high....	3 1/2 lbs.	\$2.00
Preston. 5 1/2 in. high.....	3 1/2 lbs.	2.00
Waterwitch. 8 3/4 in. high....	1 lb.	.75
C. B. C. For golf links.....	3/4 lb.	.60



CICO TURBO-IRRIGATOR

This sprinkler head weighs 3 pounds. It is constructed of high-grade, non-corrosive material, and when operated under proper conditions it will give a thorough distribution over a circular area from 80 to 100 feet in diameter. This is very much more than the area covered by any other practical irrigation device.

By permanent installations for very large garden, field or orchard irrigation, the Turbo-Irrigators are placed on stand-pipes 75 to 100 feet apart, attached to underground laterals diverging from a main supply pipe. From 5 to 9 of these machines are required to the acre.

Price, heads only, \$15.00 each; with tripod stands, \$20.00.

BINKS RAINFALL SPRINKLER

A splendid sprinkler that operates on a ball bearing, requiring very little pressure.

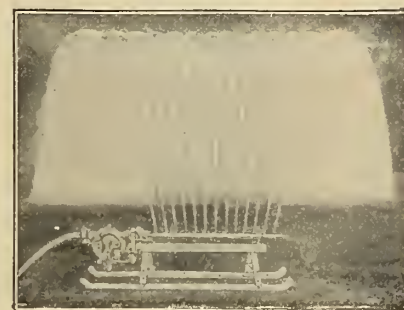
\$2.00 each



PEACOCK SPRINKLERS

A pipe arrangement, equipped with nozzles set at various distances.

8 ft. Junior... \$10.00 | 12 ft. Peacock... \$17.50



Cico Oscillating IRRIGATOR

For Lawns, Vegetable Gardens, Seedbeds, Shrubbery, Greenhouses, Hardy Borders, Putting Greens, Fairways and General Irrigation.

Cico throws a generous, gentle, mistlike spray which can neither wash out nor pack the soil, nor injure the most delicate seedling. The plane of the spray Oscillates back and forth, wetting the soil evenly and thoroughly.

Cico waters any rectangular area 12 feet wide up to 60 feet long, is instantly adjustable without tools, and may be moved at will without turning off the water or wetting the operator.

Cico is unique in the automatic oscillation of the distributing pipe in which a line of small brass nozzles are fitted—thus throwing a plane of spray to and fro over the area being watered.

Cico oscillations recur 20 times a minute. Each interval allows time for the spray to sink in before the next precipitation. The advantages are:

No puddles can form.

Large area watered thoroughly, quickly.

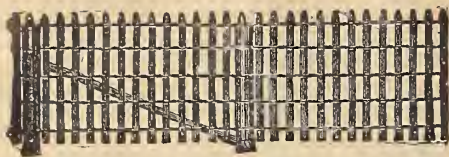
An absolutely even precipitation over the area.

No dry spots, no spots too wet.

No unsprinkled corners and no waste.

Cico weighs but five pounds and is 21 inches long. Price, \$15.00.

Operates on the average water pressure in city or suburbs.

**CEDAR PICKET FENCING**

Is tailor-made compared to the ordinary kinds of ready-made fencing. Will wear for years absolutely without paint. Readily put up and saves time, labor and expense of fence building. It is far ahead of and will outwear the old style wire fence by many years. Rolls of 50, 75 and 100 feet only.

3 ft. high, with 4 gal. steel double wire cables, 15c. per running foot.

4 ft. high, with 5 gal. steel double wire cables, 18c. per running foot.

5 ft. high, with 6 gal. steel double wire cables, 22c. per running foot.

WIRE NETTING

Price is constantly changing and is subject to change.

No. 19. Galvanized, two-inch mesh, 150 running feet per bale.

Width	Per Bale	Width	Per Bale
12 inches.....	\$2.48	42 inches.....	\$7.22
18 inches.....	3.56	48 inches.....	8.25
24 inches.....	4.54	60 inches.....	10.32
30 inches.....	5.42	72 inches.....	12.38
36 inches.....	6.19		

No. 20, galvanized, one-inch mesh, 150 running feet per bale.

Width	Per Bale	Width	Per Bale
12 inches.....	\$4.95	42 inches.....	\$14.44
18 inches.....	7.12	48 inches.....	16.50
24 inches.....	9.08	60 inches.....	20.63
30 inches.....	10.83	72 inches.....	24.75
36 inches.....	12.38		

STAPLES

¾ inch, for fastening netting, 15c. per lb.

CUT WIRE NETTING

We can furnish this in both 1- and 2-inch mesh, in units of 25-ft., 50-ft., 75-ft., 100-ft. and 125-ft. lengths. 1-inch mesh at 6c. per square ft.; 2-inch mesh at 3c. per square ft.

SUN DIALS

These ancient time tellers are a part of every exclusive flower or vegetable garden, and indeed a very interesting one.

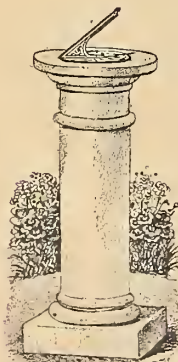
No. 350. 8-in. diam., bronze, plain, \$5.00 each.

No. 351. 9½-in. diam., bronze, with motto, \$6.00 each.

No. 105. 10-in. diam., bronze, with motto, \$6.50 each.

No. 107. 11-in. diam., bronze, with motto, \$8.00 each.

Prices do not include pedestal.

**LAWN GUARDS**

For path corners, flower beds, etc. **Iron** (see cut), nicely painted green, \$2.00 each; per doz., \$20.00. Not mailable.

Wire, made extra heavy and well galvanized. Price, 35c. each; per doz., \$3.50. Not mailable.

LAWN SIGNS

Excellent for putting on grass plots where thoroughfare is not desired.

Iron (shown opposite), painted gray, trimmed red. 75c. each; per doz., \$8.00. Parcel post weight, 4 lbs.

**KEEP OFF THE GRASS**

Enameled Iron Style. (See cut above). This pattern is best for conspicuous places. Name-plate finished with green and white enamel; 20 inches long and about 4 inches wide. Equipped with iron stake, \$1.50 each; per doz. \$17.00. Parcel Post Weight, 3 lbs.



Eureka Hanger

POT HANGERS

Wt. per doz. Each. Doz.

Krick's No. 1. For 3 to 5-in. pots..... 1 lb. \$0.06 \$0.60

Krick's No. 2. For 6 and 7-in. pots..... 1 lb. .07 .70

Krick's No. 3. For 8 to 10-in. pots..... 1 lb. .08 .80

Eureka. Suitable for any size pot up to 8 inches. Made of galvanized wire, 15 inches long. 15c. each; \$1.50 per doz.; \$11.00 per 100.

Parcel Post Weight, each, 8 ozs.

BASKET OR CEMETERY HOOKS

Thoroughly galvanized so they cannot rust.

Single, 5-16 in. thick, \$1.50.

Double, 7-16 in. thick, \$2.50. These cannot be mailed.

VASES

For holding cut flowers on cemetery lots and graves.

**PAINTED GREEN**

No.	Wt.	Each	Doz.
6 Large	4 lb.	\$0.65	\$7.00
5 Med.	2 lb.	.55	6.00
4 Small	2 lb.	.45	5.00

GALVANIZED

No.	Wt.	Each	Doz.
6 Large.....	4 lbs.	\$0.85	\$9.50
5 Medium.....	2 lbs.	.75	8.25
4 Small.....	2 lbs.	.50	5.50

TIN ENAMELED

Color, rich green; will not burst in cold weather.

No.	Wt.	Each	Doz.
1 Large	½ lb.	\$0.25	\$2.50

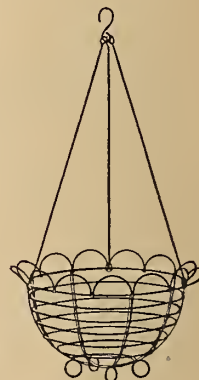


Tin Enameled Vase

HANGING BASKETS**Galvanized Wire**

For greenhouse, porch and conservatory use.

	Each	Doz.		Each	Doz.
8 in....	\$0.30	\$3.00	14 in....	\$0.70	\$7.25
10 in....	.40	4.00	16 in....	.85	9.00
12 in....	.60	6.00			

**JONES' POT BRACKET**

No. 1. Holds 5-inch pot. Each, 50c.; \$5.75 per doz. Parcel Post Weight, each, 1 lb.

No. 2. Holds 6-inch pot. Each, 60c.; \$6.25 per dozen. Parcel Post Weight, each, 2 lbs.

No. 3. Holds 7-inch pot. Each, 70c.; \$7.50 per dozen. Parcel Post Wt., each 2½ lbs.

Parcel Post Shipments

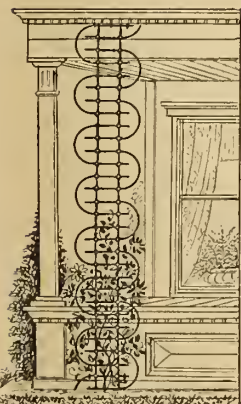
Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance companies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.



FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 150 running feet.
 16 in. Less than 150 ft. roll, 20c. per ft.
 16 in. In roll lots, 150 ft., 16c. per ft.
 22 in. Less than 150 ft. roll, 25c. per ft.
 22 in. In roll lots, 150 ft., 19c. per ft.

CONTINUOUS WIRE TRELLIS



Excellent for training vines of all kinds up porch verandas, pergolas, etc. Thoroughly galvanized and well made.

Any length desired up to 150 running feet.
 13 in. wide, less than 150 ft. rolls, 22c. per ft.
 13 in. wide, in roll lots, 150 ft., 18c. per ft.
 19 in. wide, less than 150 ft. rolls, 25c. per ft.
 19 in. wide, in roll lots, 150 ft., 20c. per ft.

ADJUSTO PLANT SUPPORT

Indispensable for Roses, Dahlias, Tomatoes and other plants.

The "Adjusto" Plant Support is a marvel for simplicity and efficiency. It consists of two parts; an oak stake pointed at the bottom and painted green, and a hoop of the toughest wire, also painted green to prevent rust.

It contains no nails, hooks, or screws. It holds securely any flower or plant and can be adjusted to any height to conform with the plant's growth.

For all-round garden use and as permanent equipment the "Adjusto" Plant Support can't be touched by anything on the market either in respect to cost or the way they do the work. And then they save the time and labor you otherwise would spend on inefficient equipment. Plants thrive when supported by the "Adjusto" and are sure to bear more beautiful blossoms and perfect fruit.

A permanent equipment which can be used year after year.

	Each	Doz.
18 inch.....	\$0.08	\$0.85
24 inch.....	.10	1.00
3 feet.....	.15	1.75
4 feet.....	.18	2.00
5 feet.....	.20	2.25

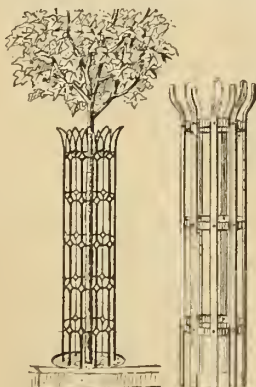
Special Notice

Owing to the unsettled market conditions, all prices in this catalog are subject to change.

TREE GUARDS

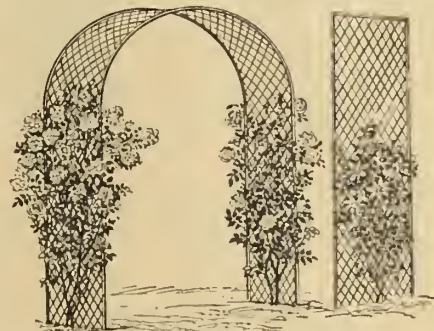
Galvanized Wire. Carefully made of heavy material and finished in a neat and substantial manner. 12 in. diam., \$3.50; 9 in. diam., \$2.00 each.

No. 4 Iron. Made of flat iron, finished black; will last indefinitely with an occasional painting. \$3.50 each.

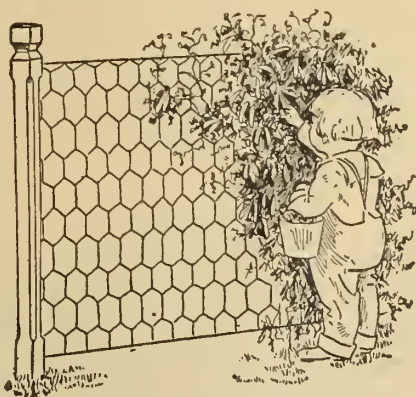


Wire Guard Iron Guard

GALVANIZED WIRE WORK



This can be furnished on short notice, any height or any width, in either trellises or arches. Made of heavy diamond mesh wire with strong frames. It requires usually several weeks in which to complete orders for this. 55c. per sq. ft. on pieces aggregating 10 sq. ft. or over; less than 10 sq. ft. pieces, 65c. per sq. ft.



WIRE PEA TRELLIS

This does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10-foot sections, with 3 suitable 5 1/2-foot stakes for fastening in the ground. Can be put away and used year after year. \$1.75 each; 6 for \$9.50; \$18.00 per doz.

CARNATION SUPPORTS



Model, 2-Ring Support

The Model, shown here, is the most popular support on the market. Can be put together in minute and is always satisfactory; 24 in. high.

Richmond, double

Doz.	100	1000
\$1.25	\$7.75	\$70.00

Richmond, single

Doz.	100	1000
\$1.00	\$6.50	\$60.00

Model, 2-ring

Doz.	100	1000
\$1.00	\$6.50	\$55.00

Model, 3-ring

Doz.	100	1000
\$1.25	\$7.00	\$60.00

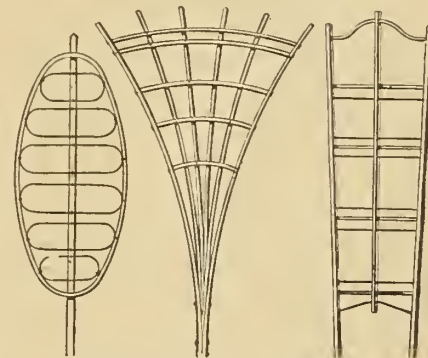
TOMATO OR PAEONY SUPPORT

These pay for themselves the first season. They insure more flowers and better fruit.

Model (Wire). Each, 50c.; doz., \$4.50; \$35.00 per 100.



Model Tomato Support



VERANDA TRELLIS

Made of wood and painted green.

2 feet.....	\$1.10	6 feet, heavy..	\$3.05
3 feet.....	1.50	8 feet, heavy..	4.10
4 feet.....	1.90	10 feet, heavy..	5.10
5 feet, heavy...	2.60	12 feet, heavy..	6.05

OVAL TRELLIS

Made of wood, painted green.

24 inch.....	\$0.65
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FAN TRELLIS

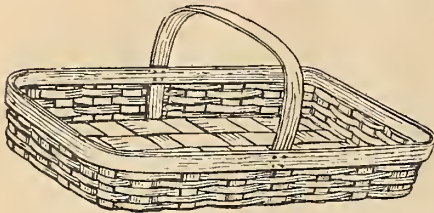
Made of wood, painted green.

18 inch.....	\$0.50	36 inch.....	\$1.50
24 inch.....	.55	42 inch.....	1.65
30 inch.....	.95	48 inch.....	2.20

LATTICE TRELLIS

Made of wood, painted green.

	18 in. wide	24 in. wide
6 feet.....	\$2.75	\$3.50
7 feet.....	3.25	4.25
8 feet.....	3.50	4.75
9 feet.....	4.00	5.25
10 feet.....	4.50	6.00
12 feet.....	5.50	7.00

**GATHERING BASKET**

Very convenient for carrying berry boxes, asparagus and other vegetables. Made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, \$1.25.

GARDEN BASKETS

No. 2, Stiff Handle

Each
1/2 Bu. \$1.00

No. 3, Drop Handle

Each
1/2 Bu. \$1.00

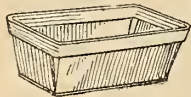
No. 4, Without Handle

Each
1/2 Bu. \$1.00
1 Bu. 1.25

**SPLIT OR CHIP BASKETS**

Without Handles		With Handles	
Each	Doz.	Each	Doz.
1/4 bu.	\$0.12 \$1.40	1/4 bu.	\$0.15 \$1.50
1/2 bu. ....	.18 1.60	1/2 bu. ....	.20 1.75
3/4 bu. ....	.20 2.00	3/4 bu. ....	.25 2.25
1 bu. ....	.35 3.75	1 bu. ....	.40 4.00

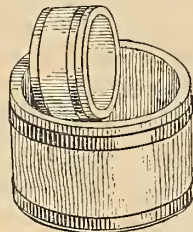
Please note our present supply of handled splint baskets are double, drop style.

**BERRY BOXES**

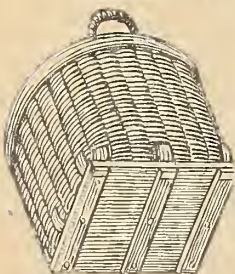
P. P. Wt.	
Doz.	100 1000
1 qt.. 2 lbs.	\$1.50 \$12.00
1 pt.. 1 lb.	1.35 11.00

WOOD MEASURES

1/4 peck.	\$0.75
1/2 peck. ....	.80
1 peck.	1.10
1/2 bushel.	1.75
1 bushel.	3.00

**RUBBISH BASKETS**

On all large places, on the lawn, in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled on a barrow. Price, with rope handles, \$4.50 each.



Rubbish Basket

**IRON PLANT STANDS**

These have a tilting device so that plant may be set at any angle if desired. Enameled green.

In.	Size of Plates	Each
12	5 x 7	\$2.25
18	5 x 7	2.50
24	8 x 10 1/2	3.00
30	8 x 10 1/2	3.15
36	8 x 10 1/2	3.25
42	8 x 10 1/2	3.50
48	8 x 12	3.75
60	8 x 12	4.25
72	8 x 12	4.50

EXTRA PLATES FOR IRON STANDS

Each	Each
5 inch. \$0.45	8 inch. \$0.75
7 inch. .... .60	10 1/2 inch. 1.10
12 inch, each, \$1.30	

WIRE PLANT STANDS

Painted dark green and finished in bronze. Very substantial and will carry most any weight that can be placed on them. We recommend the Jones style, as it is collapsible and takes up very little space when not in use.



2 shelf. \$5.00 | 3 shelf. \$6.00

When wire plant stands require packing for shipment by express and freight, there is a charge of 50c. made for packing.

**MINIATURE HOTBEDS**

These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean an early flower or vegetable garden. 12 x 20 in., \$3.50 each. Complete with glass. Not mailable.

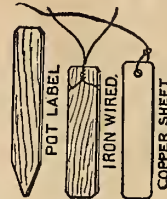
Parcel Post Shipments

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

TREE LABELS

Parcel Post Weight, 1/2 lb. per 100.



Iron Wired.
Plain \$0.30 1000
Painted .. .40 2.35

Iron Wired.
Painted .. .40 2.35

Copper
Wired. Plain .40 2.35

Copper Wired. Painted.50 2.95

Copper Sheet, wired. .30c. doz.; 100, 1.75

Zinc Sheet, wired. .30c. doz.; 100, 1.75

Indelible Marking Pencils. Each. .15

PAINTED POT LABELS

P. P. Wt.	
	100 100 1000
4 inch.	1/2 lb. \$0.30 \$2.00
4 1/2 inch.	1/2 lb. .35 2.25
5 inch.	1/2 lb. .40 2.45
6 inch.	3/4 lb. .50 3.00
8 inch.	2 lbs. 1.40 8.50
10 inch.	2 1/2 lbs. 1.90 11.50
12 inch.	3 lbs. 2.25 13.65
18 inch, for field use, 7	lbs. 3.50 32.50

GARDEN MARKERS

For labeling perennials, garden rows, beds or individual plants.

Made of heavy metal, enameled black. The card is covered with a celluloid face, which protects it from the weather. The angle of this label is so as to make it easily read. The holder has a large capacity for cards, so that several years' records may be kept together.



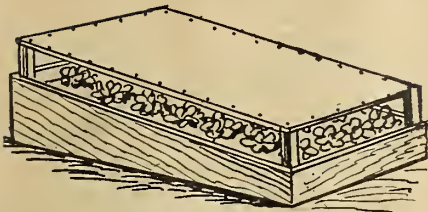
	Each	Doz.	100
No. 5—8 inches high..	\$0.30	\$3.00	\$22.50
No. 5A—18 inches high	.30	3.00	22.50
No. 5B—24 inches high	.35	3.50	25.00

**GRAPE PROTECTING BAGS**

Thousands of bunches of grapes are wasted annually because they are not protected against the ravages of insects, birds, etc. Michell's Improved Grape Bags are economical, easily attached and last a season. The fruit ripens just as readily in them as it does in the open. The bags should be attached when the grapes are the size of a pea prior to which it is suggested that they be sprayed (even though not affected) against blight or fungus; the bags should be left attached until the fruit is ready to harvest.

If desired by mail please add to the prices below as noted.

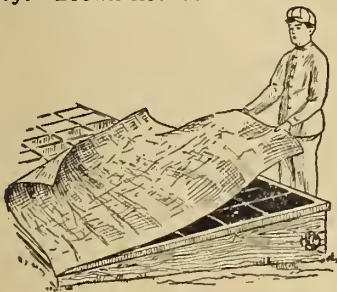
	Weight for mail per 100	100	1000
2 lb. size.	1 1/2 lbs.	\$0.60	\$5.00
3 lb. size.	1 1/2 lbs.	.70	5.75
4 lb. size.	1 1/2 lbs.	.75	6.50



SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from the sun and at the same time allowing ventilation.

	Yds.	Per Pc.	Per Yd.	Per Pc.
Light. Brown cloth...	.60	\$0.20	\$11.40	
Medium. Brown cloth...	.60	.26	14.40	
Heavy. Brown cloth...	.40	.45	16.80	



HOTBED MATS

Hotbed mats keep frosts and severe cold out of frames. They mean earlier and bigger crops.

The Drill style are the best mats that it is possible to procure. They are padded with shoddy and are practically indestructible.

Non-Waterproof. 72 x 72 inches, covering two regular size sash. Each, \$4.50; doz., \$52.00.

Non-Waterproof. 40 x 76 inches, for one sash. Each, \$3.50; \$35.00 doz.

Waterproof Drill. 72 x 72 inches. \$5.00 each; doz., \$55.00.

Waterproof Drill. 40 x 76 inches. \$3.75 each; doz., \$37.50.

Straw Mats. 3 x 6 feet. \$2.00

Straw Mats. 6 x 6 feet. 3.50

Special size Hotbed Mats to order; any length, but only in 76-inch widths. Straw Mats made to order any length, 6 ft. wide. Under 100 sq. ft., 15c. per sq. ft.; 100 to 150 sq. ft., 13½c. per sq. ft.; 150 sq. ft., and over, at 12½c. per sq. ft.

HOTBED SASH

Philadelphia Style. Made of best quality cypress. Size, 3 ft. 1¼ in. wide, 6 ft. long, 1¼ in. thick.

Glazed, painted, puttied glass. \$8.00 each. Plain, not glazed or painted. \$5.00 each.

Painting only, \$1.00 each extra.

Sunlight Style Glass Sash (See illustration opposite). These are made with a double glass facing, one on the bottom, another on the top. It is claimed by the manufacturer where these are used, hotbed mats are unnecessary. 3 ft. wide, 6 ft. long.

Plain, Unglazed and Unpainted. \$5.00 each

Glazed and Painted. \$10.00 each

Packing charges on all glazed sash, 50c. each.



CUT FLOWER BOXES

These are desirable for shipping cut flowers from country estates to city residences, very durable.

	Each	Doz.
48x14x8 inch, Corrugated	\$1.00	\$10.00
42x14x8 inch, Corrugated	.85	9.00
36x14x6 inch, Corrugated	.75	8.00
30x 8x5 inch, Corrugated	.60	6.00
24x 8x5 inch, Corrugated	.50	5.00

CUT FLOWER BOXES

Mist green, lined white inside. The sizes offered in this finish are carried in stock, other sizes in this finish, also in manila, mist tan and oxford gray can be supplied on short notice.

L.	W.	D.	Doz.	100
18x	5x3	inch	\$1.25	\$8.00
24x	5x3½	inch	1.75	12.00
24x	8x4	inch	2.25	15.00
28x	8x5	inch	2.75	18.00
30x	10x6	inch	3.75	26.00
30x	12x7	inch	4.25	32.00
36x	8x5	inch	3.50	24.00

We can also supply other sizes and style of boxes.

PAPER FOR WRAPPING BOXES AND FLOWERS

	Lb.	Ream
Manila. For wrapping	\$0.20	\$4.00
Manila. Tissue	.40	3.25
Wax. White, 24x36 in.	.50	4.75
Wax. Green, 24x36 in.	.65	5.75

ROOFING PAPER, ETC.

	Sq. ft.	Per roll
Celery Paper	500	\$3.25
Rubberized Roofing, 2-ply	108	3.50
Rubberized Roofing, 3-ply	108	4.50
Tar or Pitch, 2-ply	100	2.50
Tar or Pitch, 3-ply	100	3.25
Caps for tar paper. 1 lb., 15c.; 5 lbs., 60c.		
Nails for tar paper. 1 lb., 15c.; 5 lbs., 60c.		

WALL NAILS

For fastening climbing vines; equipped with a soft metal clasp which holds the vine against the wall.

1 inch, 1½ inch, 2 inch, 2½ inch. Price, 50c. per doz.; per 100, \$3.50.



ERADO WEED GUN

(See Cut)

As handy as a cane, which it resembles. Fill the reservoir, which holds about 2 quarts of liquid, with some weed-destroying preparation, diluted and used for destroying weeds of all kinds in lawns without hurting the grass. Press the sharp point of the gun into the heart of the weed until the flat stay pieces touch the ground, when a quantity sufficient to kill is discharged into the heart of the plant which is destroyed for all time. (Galvanized iron.) Price, \$1.25. Parcel Post Weight, 2 lbs.

SUNDRIES

Bulb Fibre. Qt., 20c.; 45c. ½ peck; peck, 75c.; \$1.25 ½ bu.; bu., \$2.00.

Bull Dog Clips. For fastening packages, etc., \$1.00 per box.

Carnation Bands (Rubber). For mending bursted calyx. 30c. per oz.; ¼ lb., \$1.00.

Carnation Clips (Baus). For mending carnations. \$1.00 per 1000.

Carnation Staples (Wire). 50c. per 1000.

Charcoal, Lump. For use in potting. Pk., 60c.; \$2.00 per bu.; barrel sack, \$3.00.

Cocoanut Fibre. 15c. qt.; 4 qts., 40c.; 65c. peck; bushel, \$2.00; \$9.00 for 5 bushels.

Cork for Orchids. 50c. per lb.; 10 lbs., \$4.00.

Glass Cleaner. \$2.75 gal.; 5 gals., \$11.00.

Grafting Wax. ¼ lb., 20c.; 30c. per ½ lb.; lb., 50c.; \$2.40 for 5 lbs.

Moss (Green Lump). Pk., 60c.; \$1.50 per bu.; bbl. bag, \$3.00. Green Sheet. ½ peck, 40c.; 70c. per peck; bu., \$2.00; \$3.50 per sack. Sphagnum (dry). Bbl. bales, \$1.50; 5 bbl. bales, \$5.00. Sphagnum (live). Pk., 50c.; \$1.50 per bu.; bbl., \$3.25.

Pebbles. Qt., 10c.; 75c. per pk.; bu., \$2.00; \$4.00 per bbl.

Peat or Leaf Mould. Pk., 50c.; \$1.50 per bu.; bbl., \$3.25.

Peat, Orchid. Pk., 40c.; \$1.25 per bu.; bbl. bag, \$3.00.

Pruning Compound. Per qt., 85c.; \$2.50 per gal.

Sand. For propagating. Per qt., 10c.; 35c. per pk.; bu., \$1.25; \$3.00 per bbl.

Shaderine. For shading greenhouse glass. 5 lbs., \$1.50; 10-lb. cans, \$3.00.

Soil. For potting. Qt., 10c.; 20c. per ½ pk.; pk., 35c.; \$1.25 per bu.; bbl., \$3.00.

Tin Foil (Plain). In 5 and 6-inch widths, in 1-lb. pkgs. and in 5-lb. rolls, 5-in. wide, 35c. per lb.; 5 lbs., for \$1.50. Green and violet in 1-lb. pkgs., 60c. per lb.

Toothpicks. Plain, box, 12c.; 65c. for 6.

Toothpicks. Wired. 45c. 1000; 10,000, \$3.50.

Toothpicks. 6-inch, wired, green; per 375, 30c.; \$2.00 per 3000.

Tree Paint (Target Brand). Qt., 85c.; \$2.50 per gal.

Weed Killer, Michell's. Qt., 55c.; 90c. per ½ gal.; gal., \$1.75; \$6.75 per 5 gals.; 30 gals., \$33.00; \$50.00 for 50 gals.

Zementine. For whitewashing and shading. 2 lbs., 35c.; \$1.45 per 10 lbs.

Zinco. For destroying soot and its effects. 60c. per pkg.

MICHELL'S PLANT STAKES, WIRE, ETC.

GREEN TAPERING STAKES

PAINTED GREEN

	Weight per Doz.	Each	Doz.	100
1½ feet.....	½ lb.	\$0.03	\$0.33	\$2.10
2 feet.....	½ lb.	.05	.55	3.85
2½ feet.....	1 lb.	.08	.77	5.65
3 feet.....	1¼ lbs.	.10	1.10	7.45
3½ feet.....	1½ lbs.	.12	1.32	9.25
4 feet.....	2 lbs.	.15	1.54	11.00
5 feet.....		.20	2.00	14.50

ROSE OR DAHLIA STAKES

Round tapering style; painted green.

	Weight per Doz.	Each	Doz.	100
3 feet.....	2½ lbs.	\$0.15	\$1.65	\$11.82
3½ feet.....	4 lbs.	.20	1.98	13.61
4 feet.....	5 lbs.	.22	2.15	15.67
5 feet.....		.25	2.64	20.07
6 feet.....		.30	3.30	24.64

SQUARE PLANT STAKES

These are painted green and nicely tapered and finished.

	Weight per Doz.	Each	Doz.	100
1½ feet.....	½ lb.	\$0.03	\$0.30	\$2.10
2 feet.....	½ lb.	.06	.54	3.75
2½ feet.....	1 lb.	.08	.79	5.50
3 feet.....	2 lbs.	.11	1.08	7.50
3½ feet.....	2½ lbs.	.14	1.30	9.00
4 feet.....	4 lbs.	.18	1.73	12.00
5 feet.....		.27	2.50	18.00
6 feet.....		.30	2.88	20.00

CANE STAKES

	Doz.	100	250	1000
Southern 6 to 7 ft.	\$0.35	\$2.00	\$3.75	\$14.00

JAPANESE GREEN CANE STAKES

These are very attractive for all purposes of plant staking; thin and very strong.

	Doz.	100	500	1000
1½ feet.....	\$0.15	\$0.75	\$3.25	\$6.00
2 feet.....	.20	1.25	5.50	10.00
2½ feet.....	.25	1.40	6.75	12.00
3 feet.....	.35	1.60	7.50	14.00
3½ feet.....	.35	2.00	8.50	16.00
4 feet.....	.40	2.25	9.50	18.00

JAPANESE NATURAL CANE STAKES

	Doz.	100	500	1000
2½ feet.....	\$0.20	\$1.35	\$5.75	\$10.60
3 feet.....	.25	1.60	7.00	12.50
4 feet.....	.30	2.00	8.00	15.00
5 feet.....	.35	2.20	9.25	17.50
6 feet.....	.40	2.35	11.00	20.00

HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants; dyed green.

	P. P. Wt. per 100	Doz.	100	1000
5 inch.....	1½ lbs.	\$0.05	\$0.20	\$1.50
12 inch.....	2 lbs.	.07	.30	2.50
18 inch.....	2 lbs.	.10	.40	3.50

GALVANIZED WIRE STAKES

No. 10 WIRE, LIGHT

	P. P. Wt.	Doz.	100	1000
2 feet.....	1½ lbs.	\$0.25	\$1.75	\$12.50
2½ feet.....	1½ lbs.	.35	2.00	15.00
3 feet.....	2 lbs.	.40	2.25	16.50
3½ feet.....	2¼ lbs.	.45	2.50	18.00
4 feet.....	2½ lbs.	.50	2.75	20.00
4½ feet.....	3 lbs.	.55	3.00	23.50
5 feet.....		.60	3.50	25.50
6 feet.....		.65	3.50	28.00

No. 8 WIRE, HEAVY

	P. P. Wt.	Doz.	100	1000
2 feet.....	2 lbs.	\$0.40	\$2.50	\$20.00
2½ feet.....	2½ lbs.	.45	3.00	22.50
3 feet.....	2¾ lbs.	.50	3.25	25.00
3½ feet.....	3 lbs.	.60	3.50	27.50
4 feet.....	3½ lbs.	.70	3.75	30.00
4½ feet.....	4 lbs.	.80	4.00	32.50
5 feet.....		.90	4.50	37.50
6 feet.....		1.00	4.75	42.50



Everlasting Stake Fastener Wire Stake Tie

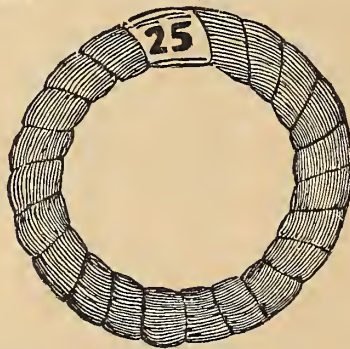
WIRE STAKE TIE (Buschardt's)

For fastening plants to stakes, either wire or wood; can be used more than once. 1000 ties in a pkg. (See cut.) Price, \$2.50.

STAKE FASTENERS

These take the place of string entirely, lasting several seasons; used for fastening cross wires to galvanized stakes.

	P. P. Wt.	per 100	500	1000
Everlasting.....	½ lb.	\$2.25	\$4.00	
Eureka.....	¼ lb.	1.40	2.75	



WIRE

Allow for postage if wanted by mail.

		Lb.	12-lb. Stone
No. 16.	Galvanized.....	\$0.25	\$2.25
No. 18.	Galvanized.....	.30	2.50
No. 19.	Galvanized.....	.32	2.75
No. 20.	Galvanized.....	.35	2.90
No. 22.	Galvanized.....	.37	3.25
No. 16.	Annealed.....	.20	2.00
No. 18.	Annealed.....	.25	2.25
No. 20.	Annealed.....	.30	2.50
No. 22.	Annealed.....	.32	2.75
No. 24.	Annealed.....	.35	3.00

TINNED WIRE

Used for bunching celery, etc.

No. 19, in 10-lb. boxes, cut 8½ inches, 35c. per lb.; per box, \$3.00.

CUT BOUQUET WIRE

For Stemming Flowers

Cut 9, 12 or 18 inches in length.

No. 20, 30c. per lb.; per box, 12 lbs... \$3.00

No. 22, 32c. per lb.; per box, 12 lbs... 3.25

No. 24, 35c. per lb.; per box, 12 lbs... 3.50



RAFFIA

For tying, basket making and fancy work; very long and fibrous.

Natural Color, 25c. per lb.; 5 lbs., \$1.20.

Green, \$1.00 per lb.; 5 lbs., \$4.75.

RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong; it is about ¼ inch wide and is put up in 250-yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Parcel Post Weight, per bolt, ½ lb.

Per bolt of 250 yards, \$1.00; 6 bolts, \$5.75.



TWINES, ETC.

	Ball	Lb.
No. 18. Italian.....	\$0.35	\$0.65
No. 24. Italian.....	.30	.60
No. 36. Italian.....	.30	.55
Jute, 2-ply and 3-ply.....	.25	.45
Linen Bouquet.....	.15	1.00
Green Sea Island.....	.20	1.40
Jefferson White Cotton, 4-ply.....	.12	.50
Special White Cotton, 3-ply.....	.12	.50
Tarred. For Mat Making.....	.45	
Tarred Sisal. For fodder.....	.35	
Binder. 5-lb. balls.....	1.25	
Express. Very heavy.....	.30	

Green Silkline. For stringing Smilax and Asparagus, etc. F, fine; FF, medium; FFF, coarse.

Price, per spool, 40c.

Price, per lb. (8 spools)..... \$3.00

Green Linen (substitute for Silkline).

Very similar to the above; fast color.

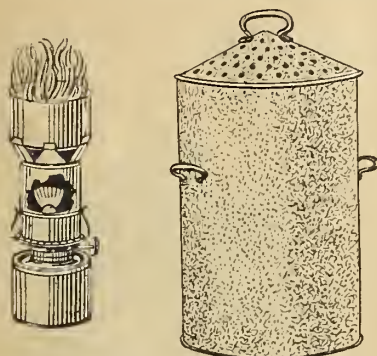
Price, 40c. per spool; \$1.50 per lb.

Smilax Twine. Similar to Silkline, in 2-oz. spools. 30c. per spool; lb., \$2.00.

BAMBOO POLES

Used extensively for brushing worm casts off Putting Greens, also for staking young trees.

	Each	Doz.	100
16 feet.....	\$0.50	\$5.50	\$40.00
18 feet.....	.60	6.50	50.00
20 feet.....	.75	7.50	60.00



Vaporizing Lamp Perfection Fumigator

FUMIGATORS

Perfection Make

Fitted with a water tank to prevent burning out.

No. 1 for house 12x 40 ft.....	\$8.10
No. 2 for house 15x100 ft.....	9.90
No. 3 for house 20x100 ft.....	12.60
No. 5 for house 20x150 ft.....	15.30

Eureka Make

No. 1 for house 10x 20 ft.....	\$3.60
No. 2 for house 12x 40 ft.....	4.95
No. 3 for house 15x100 ft.....	6.30
No. 4 for house 20x100 ft.....	9.00

VAPORIZING LAMP

Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of Nicotidine, Tobakine and other preparations of this sort. 80c. each.

Parcel Post Weight, $\frac{3}{4}$ lb.



THE KEY DUSTER GUN

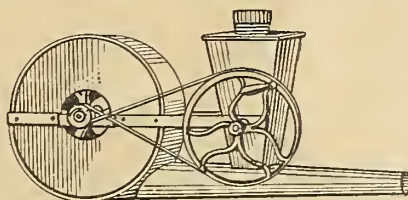
This device contains a chamber into which is inserted a cartridge or canister of powdered insecticide. These canisters can be inserted or taken out at will. When the cartridge or canister of insecticide is inserted, the gun opens it automatically, while it may be removed without loss of material, thus enabling the operator to change from one preparation to the other.

The new, quick and easy way of using insecticides and fungicides in the cartridge, killing many bugs; preventing certain blights. No handling or mixing of chemicals, and without the use of water.

The following is a list of preparations packed in form suitable for use in the Key Gun.

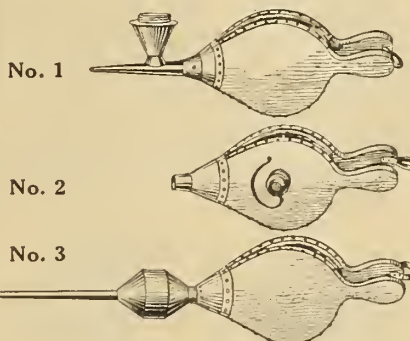
Bordeaux Arsenate.....	\$0.15
Lime Sulphur.....	.15
Hellebore.....	.20
Price of Gun.....	3.00

A simple and complete spray calendar is packed with each gun.



SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Made of heavy metal with no wearout to them. A man can dust a very large house in a few minutes, using one of these blowers. Price, \$7.50.



WOODASON HAND BELLOWS

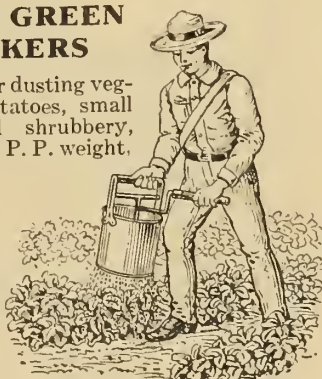
P. P. Wt.

No. 3. Large double cone.....	5 lbs.	\$6.50
Large single cone.....	3 lbs.	4.50
No. 1. Small single cone.....	2 lbs.	3.00
Liquid spraying; small.....	3 lbs.	3.75
Liquid spraying; large.....	4 lbs.	4.50
No. 2. Sulphur bellows.....		3.75

PARIS GREEN SHAKERS

Tin. For dusting vegetables, potatoes, small fruits and shrubbery, 65c. each. P. P. weight, 2 lbs.

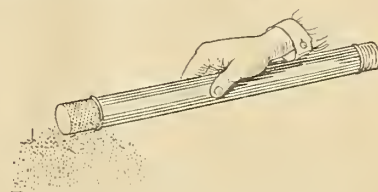
Farmers' Favorite. (See cut.) Large double action affair, \$4.00 each. P. P. weight, 4 lbs.



B. D. SHAKER

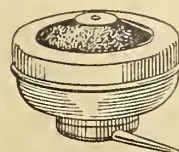


For applying dry insecticides, such as Bug Death, Slug Shot, Paris Green, etc.; made of tin; practical and durable, P. P. weight, 3 lbs., 75c.



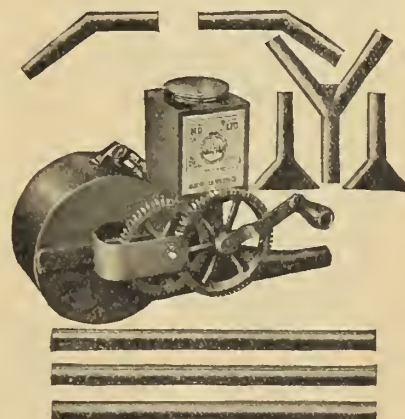
DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 60c. P. P. weight, 1 lb.



WHIRLWIND POWDER GUN

For distributing dry powder. Price, 35c. Parcel Post Weight, 8 oz.



UTILITY DUSTER

Used for the application, in dry form, of Arsenate of Lead, Paris Green, etc. Made of heavy tin, enameled red; iron and brass machined cut gears. Provided with tubes, connections and nozzles as illustrated; also an adjustable carrying strap. Price, \$12.50.

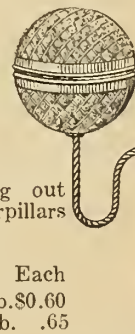
OIL TORCHES



For burning out worms, caterpillars and tree pests.

P. P. Wt. Each

Reservoir, $\frac{1}{2}$ lb. \$0.60
Asbestos, 1 lb. .65



Reservoir Torch

Asbestos Torch

POLES FOR TORCHES, Etc.

Hardwood, 12 feet, \$2.00; 14 feet, heavy, \$2.25. Poles are not mailable.

Bamboo Poles. Used for brushing worm casts off putting greens, etc.

	Each	Doz.	100
16 feet.....	\$0.50	\$5.50	\$40.00
18 feet.....	.60	6.50	50.00
20 feet.....	.75	7.50	60.00

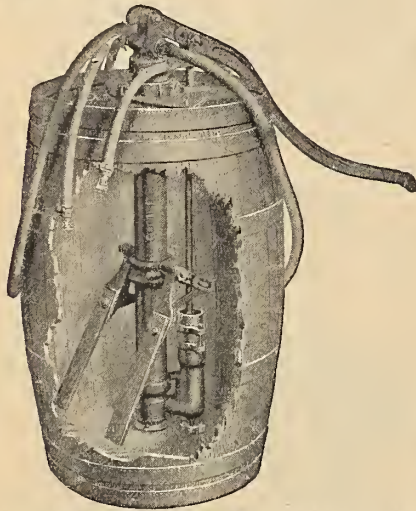
GOULD'S FRUITALL BARREL PUMP No. 1188

A high-grade pump at an attractive price, within the reach of every one who has need for such a pump. 2 in. diameter cylinder. Bronze wearing parts. Plain pump, no hose, nozzle or barrel, \$13.50.

Outfit C—With agitator, one 15 ft. lead of $\frac{1}{2}$ in. spray hose and one Mistry Jr. nozzle (no barrel), \$20.50.

Outfit D—With agitator, two 15 ft. leads of $\frac{1}{2}$ in. spray hose and two Mistry Jr. nozzles (no barrel), \$27.50.

Barrels for holding spray solution, 50 gal. capacity, \$8.00.

**GOULD'S POMONA BARREL SPRAY PUMP, Fig. 1100**

Can be used for feeding one or two leads of hose; all working parts are bronze, with lasting qualities. Plain pump, $2\frac{1}{2}$ in. diam. cylinder only, \$24.00.

Outfit C—With one 15 ft. section $\frac{1}{2}$ in. spray hose and one Mistry Jr. nozzle (no barrel), \$30.00.

Outfit D—With two 15 ft. sections $\frac{1}{2}$ in. spray hose and two Mistry Jr. nozzles, \$37.50.

Barrels for holding spray solution, 50 gal. capacity, \$8.00 each.

DEMING KNAPSACK SPRAYERS

These are elegant for carrying around the garden, among shrubbery and tree work, etc.

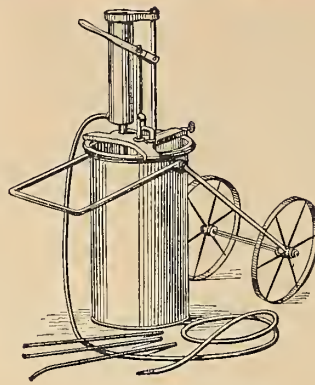
Fig. 675. Copper tank, holding about 5 gals., complete with pump, nozzle and hose, \$27.50.

Fig. 564. Galvanized tank, holding about 5 gals., complete with pump, nozzle and hose, 20.00.

Deming Knapsack Sprayers are not mailable.

**EXTENSION PIPES, Etc.**

For reaching into trees; $\frac{3}{8}$ -inch threads.
Bamboo, with brass tube; 8 feet... \$3.50
Bamboo, with brass tube; 10 feet... 4.50
Galv. Iron, 2 ft., P. P. weight, 6 ozs... .55
Brass, 2 ft., P. P. weight, 8 ozs... .70
Pet Cock, for extension pipes... 1.25
Paragon Extensions, $2\frac{1}{2}$ ft., 60c. each.
 Parcel Post weight, 12 ozs.



No. 3 Paragon Sprayer

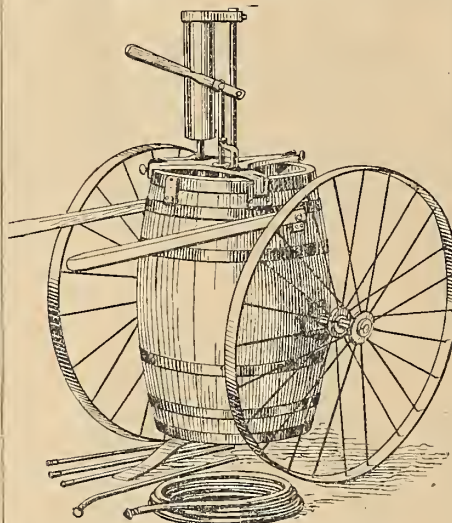
THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or paint.

No. 0. Capacity, 3 gallons; equipped with 4 ft. hose, one 3-ft. extension pipe and 2 spray nozzles. Price, \$16.00.

No. 1. With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$21.00.

No. 3. Equipped with a 12-gal. tank mounted on a truck, three $2\frac{1}{2}$ -ft. extension pipes, 2 nozzles and 10 ft. of hose, \$31.00.



No. 4 Paragon Sprayer

No. 4. Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles. 25-gal. barrel, complete, \$47.50.

No. 5. Capacity of barrel 50 gallons, equipped with 25 ft. 6-ply hose, 1 10 ft. iron extension pipe, 1 3-way spray nozzle and 1 single spray nozzle, no truck, \$51.00.

Bucket Washers for Paragon Sprayers, 30c. each.

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.



No. 1 Vermorel Eclair Sprayer

No. 1 VERMOREL ECLAIR SPRAYER

A new French knapsack sprayer which works on a compressed air principle. Compact in construction and light in weight, so that it can be easily carried around. We will sell this sprayer under the condition that if it is not the best purchase in this line you may return it at our expense and your account will be credited in full after you have given it a thorough trial. Price, \$30.00.

THE AUTO SPRAY

It operates by compressed air; safe and efficient; liquid capacity, four gallons; pressure capacity, 40 lbs. No sprayer is sold under broader guarantee for efficiency and durability. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best as corrosive solutions can be used in it without injuring the same. Auto-Sprayers are not mailable.



No. 1-B—Brass; equipped with hose and Auto-Pop Attachment, \$10.25.

No. 1-D—Galvanized Iron; equipped with hose and Auto-Pop, \$8.00.

Auto-Pop Nozzle Attachment; controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately: Plain, \$1.35 each. \$1.80 complete with hose. P. P. weight, 1 lb.

THE KIRKE FEEDER



Made to accommodate cartridges of various kinds, containing fertilizer and insecticide ingredients, each separate as below. The illustration shows how the Kirke Fertilizer and Insecticide Cartridge Holder is attached to spigot.

Nickel Cartridge	Each	Doz.
Holder	\$3.00	
Angle Worm Cartridges	.80	\$9.00
Nicotine Cartridges	.35	3.75
Salt Cartridges	.15	1.20
Arsenate of Lead Cartridges	.50	5.75
Fertilizer Cartridges	.20	2.00
Bordeaux Cartridges	.35	3.75

No. 22 BINKS COMPRESSED AIR SPRAYER

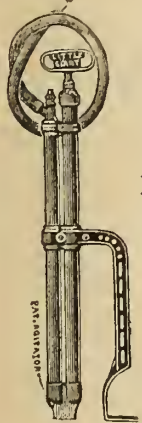
Galvanized steel tank 5 gals. capacity. Brass pump with a patent clamping device, equipped with 3 feet of hose, spray nozzle, shut-off cock and shoulder strap. P. P. Wt., 15 lbs. Price, \$8.50.



No. 327 1/2 MYERS' BUCKET PUMP

Binks No. 22 Sprayer

This is a double brass chamber arrangement, and fills the want of those desiring a medium-priced sprayer. Price, \$6.50. P. P. Weight, 9 lbs.



BUCKET SPRAY PUMP

These are made entirely of brass, except the foot rest and hand grip. The prices below do not include bucket, but include nozzle and 3 1/2 feet of 3/8-in. hose and nozzle.

No. 256. Success (without bucket fastener) \$8.00. P. P. Weight, 7 lbs.

No. 689. Perfect Success (with bucket fastener), \$8.50. P. P. Weight, 9 lbs.

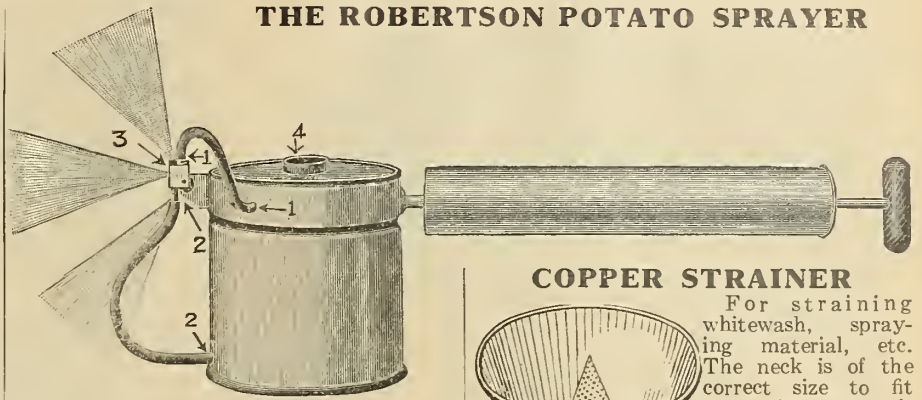


HEAVY BRASS SYRINGES

Parcel Post

No.	Diam.	Length	Wt.	Price
99.	1 1/2 in.	18 in.	1 3/4 lbs.	\$4.20
101.	1 1/4 in.	14 in.	2 lbs.	4.50
101A.	1 1/2 in.	16 in.	2 1/4 lbs.	4.80
110.	1 3/4 in.	20 in.	2 sprays... 4 1/2 lbs.	10.80
120.	1 3/4 in.	20 in.	Adjustable 5 lbs.	12.00

THE ROBERTSON POTATO SPRAYER



This is probably the first successful hand sprayer that distributes in a systematic fashion a spray solution on the top and underneath the foliage of potato vines and other plants. It is made of galvanized iron, in a substantial manner, and the reservoir is of liberal size; it may be used for general spraying in the vegetable and flower garden as well as elsewhere. Price, \$1.75.



Bordeaux Nozzle



Vermorel Nozzle

SPRAY NOZZLES (3/8 in. thread

P. P. Wt.

Bordeaux and Vermorel	8 ozs.	\$1.00
Mistry Jr.	5 ozs.	1.35
Paragon style	4 ozs.	.55
Duplex Vermorel (2 nozzles)	14 ozs.	2.25
Triple Vermorel (3 nozzles)	16 ozs.	3.10
Quadruple Vermorel (4 nozzles)	2 lbs.	4.00
Duplex Mistry (2 nozzles)	2 lbs.	3.20

For 3/4-in. connections add 50c. to the above nozzle prices.



AUTOMATIC COMPRESSED AIR SPRAYER

Parcel Post Weight, 2 lbs.

This is the grandest hand sprayer ever offered, very easily operated, especially desirable for ladies' use.

Tin. Each... \$1.25 | Brass. Each... \$2.25



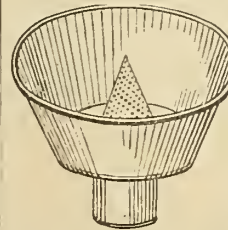
CYCLONE HAND SPRAYER

Similar to the above, except they do not have the automatic air reservoir attachment. P. P. Weight, 1 1/2 lbs.

No. 112, Tin, large, 60c. No. 114, Brass, \$1.25.

No. 22, Brown's Hand Sprayer, Capacity about 1 quart. Tin, 75c.

COPPER STRAINER



For straining whitewash, spraying material, etc. The neck is of the correct size to fit into the reservoir of an auto-spray, which allows both hands to be free when using it. \$1.50 each. P. P. Weight, 3/4 lb.

INSECT PESTS AND WHAT TO FIGHT THEM WITH

Ants. Ant Exterminator, Vermine, Worm Eradicator.

Aphis. Aphine, Aphis Punk, Black Leaf 40, Imp. Soap Spray, Kerosene Emulsion, Nico-Fume, Sulco-V. B., Thrip Juice, Tobacco Dust.

Black Fly. Aphine, Aphis Punk, Black Leaf 40, Imp. Soap Spray, I. X. L. Compound, Lemon Oil, Nico-Fume, Readeana, Slug Shot, Sulco-V. B.

Blight. Bordeaux Mixture, Copper Solution, I. X. L. Compound, Pyrox, Readeana.

Black Rot. Bordeaux Arsenate, Bordeaux Mixture.

Green Fly. Aphine, Aphis Punk, Imp. Soap Spray, I. X. L. Compound, Kerosene Emulsion, Lemon Oil, Nico-Fume, Readeana, Slug Shot, Sulco-V. B., Tobacco Dust.

Mealy Bug. Fish Oil Soap, Imp. Soap Spray, I. X. L. Compound, Kerosene Emulsion, Lemon Oil, Readeana, Thrip Juice.

Mildew. Bordeaux Arsenate, Bordeaux Mixture, Copper Solution, Fungine, Fungicide, Grape Dust, Readeana, Sulphur.

Plant Lice. Black Leaf 40, Dalmatian Insect Powder, Fish Oil Soap, Kerosene Emulsion.

Red Spider. Aphine, Aphis Punk, Black Leaf 40, Imp. Soap Spray, I. X. L. Compound, Lemon Oil, Sulco-V. B., Thrip Juice.

Rose Bugs. Hellebore, Imp. Soap Spray, Kerosene Emulsion, Merosine, Readeana.

Rose Slugs. Arsenate of Lead, Hellebore, Slug Shot, Tobacco Dust.

Rust. Bordeaux Mixture, Copper Solution, Fungine, Fungicide, Grape Dust.

Scale. Fish Oil Soap, I. X. L. Compound, Kerosene Emulsion, Lemon Oil, Lime Sulphur, Scalecide, Scale Destroyer, Sulco-V. B., Thrip Juice.

Thrip. Aphine, Aphis Punk, Black Leaf 40, I. X. L. Compound, Imp. Soap Spray, Lemon Oil, Sulco-V. B., Thrip Juice.

White Fly. Aphine, Aphis Punk, Imp. Soap Spray, Sulco-V. B.

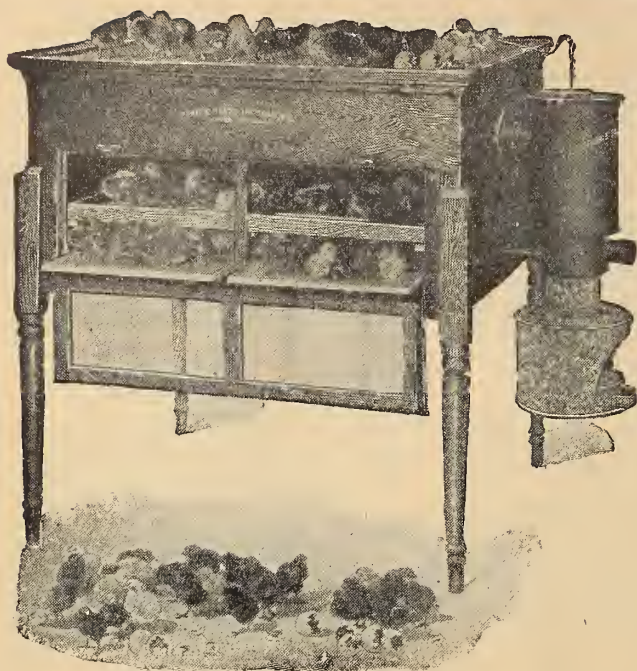
Worms. Mag-O-Tite, Vermine, Worm Destroyer, Worm Eradicator.

For description and prices of the above named Insecticides, see pages 156 and 157.

Books on Spraying

Spraying Crops (Weed)	\$0.80
Spraying of Plants (Loderman)	1.50

MICHELL'S POULTRY SUPPLIES, ETC.



Prairie State Incubator

PRAIRIE STATE INCUBATORS

In the building, design and construction of the Prairie State Incubator every known factor to the present time has been taken into consideration. All Prairie State Incubators are equipped with nurseries.

There are many improvements in the Prairie State Incubator that a study of the Prairie State Catalog and a close inspection of the machine itself, if possible, will best reveal.

Every heater is made with extreme care to insure it being as near perfect and fireproof as it can possibly be, which fact, in combination with the construction of the incubator, make the machine reasonably safe to operate in most any locality.

The Prairie State has the diffusive air circulation system and sand tray moisture feature, and is as faultless as it is possible to make incubators.

	Oil Consumption per 24 hrs.	Hen Egg Capacity.	Duck Egg Capacity.	Price
No. 0. Diffusive style.....	$\frac{3}{4}$ pt.	100	75	\$40.00
No. 1. " " ".....	1 pt.	150	115	50.00
No. 2. " " ".....	$1\frac{1}{2}$ pts.	240	200	70.00
No. 3. " " ".....	$1\frac{3}{4}$ pts.	390	300	90.00

Complete Catalog of Prairie State Incubators and Brooders free on request.

PRAIRIE STATE JR. COAL STOVE BROODER



Prairie State Jr. Coal Stove Brooder

1000 or more safely and is adaptable to permanent or portable brood houses. Price, complete with equipment, \$40.00.

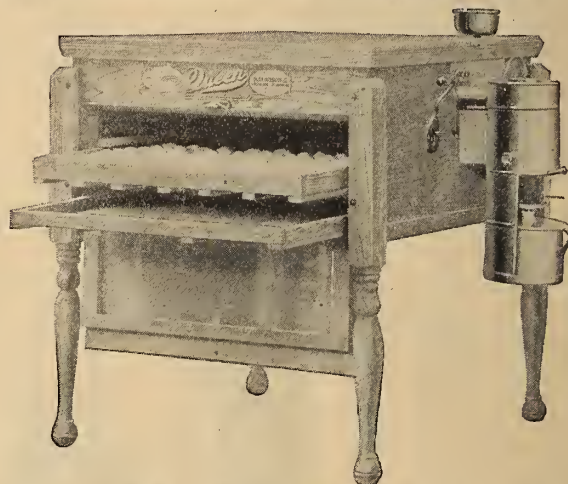
The stove is solid cast iron, resting directly on its base without legs, there being no hot place under the stove possible for the chicks to reach. Designed for hard coal, but will burn soft coal also. The canopy is flat, and fitted with an 18-inch hover curtain, wired fast at the edges. Is of galvanized sheet steel, hinged in center, giving ready access to stove when coaling. Regulator is powerful, sensitive, triple control, of wafer type, regulating temperature to a fraction of a degree, with all working parts under canopy are so protected. This size handles flocks of 250 to

PRAIRIE STATE JR. NO. 0 COAL STOVE BROODER

The construction of this is similar to the Junior Coal Stove Brooder, excepting that it has a new design double control regulator instead of the triple control type. Capacity, 200 to 700 chicks. Price, \$30.00.

GEM HOT WATER INCUBATOR

This is especially designed for the amateur or beginner. It is a wonderful value for the price charged. Very carefully made. Equipped with galvanized water heater and a sensitive thermostat. We can supply this in one size only, 50-Egg capacity, \$12.00.



THE QUEEN INCUBATOR (Hot Water)

The "Queen Line" is made in a sufficient number of sizes to meet the demands of any one who has use for an incubator.

	Egg Capacity.	Wt.	Price
No. 1. Baby Queen.....	85	72	\$30.00
No. 2.....	135	95	43.50
No. 3.....	180	105	51.50
No. 4.....	275	138	65.00
No. 5.....	400	171	77.50
No. 25.....	600	245	115.00

QUEEN OUTDOOR LAMP-HEATED BROODERS

These are designed to raise the chicks in all kinds of weather at any time of the year, with complete protection day and night.

They are made of one-inch high-grade, thoroughly seasoned hardwood lumber with mortised corners, bound with galvanized iron and covered with two coats of paint.

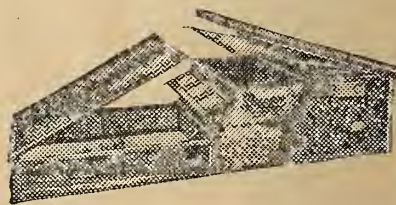
The heating system gives an abundance of heat, distributed properly, while plenty of fresh air is provided automatically without draughts. Brooder has two floors. Under the heating drum the floor is cut away and a galvanized can substituted, which may be filled with earth or sand.

It is removable and easily cleaned. Upper floor has two compartments—brooding room and sun parlor.

No. 10. 125-chick size.....	\$36.00
No. 11. 165-chick size.....	39.50
No. 12. 250-chick size.....	43.00

EUREKA COAL STOVE BROODER

This type has a corrugated fire pot claimed to be gas proof; is self regulating and the manufacturer claims you can operate it at a cost of 5 cents per day. It requires no attention except coaling once in 24 or 48 hours, according to weather. The "Eureka" is made in Philadelphia and is sold at a very attractive price because the capacity for manufacturing them is large and condition favorable. Made in two sizes: No. 10, weight 95 lbs., for brooding 500 chicks, \$25.50; No. 20, weight 117 lbs., for brooding 1000 chicks, \$31.50.



NORWICH AUTOMATIC POULTRY FEEDER

In operating the Norwich Automatic Exerciser and Feeder, it is but necessary to fill the hopper with such grains as may be desired, straight or mixed, filling the feed bar with either cracked corn or wheat, and adjust the valve at the bottom of the hopper to feed in such quantities as desired. Set the machine anywhere in the yard, pen or house, give the feed bar a turn or two, and, surprising as it may seem, in ten to fifteen minutes every hen in the flock will take in the situation and work it.

Valuable feature is that the hopper, being rainproof, keeps the feed dry and fresh. The hopper is also dust proof, and not a particle of dust can get on the feed.

No. 1—8-quart hopper. Weight, 15 lbs., \$5.00.

No. 2—14-quart hopper, Weight, 18 lbs., \$5.50.

No. 3—20-quart hopper. Weight, 22 lbs., \$6.50.

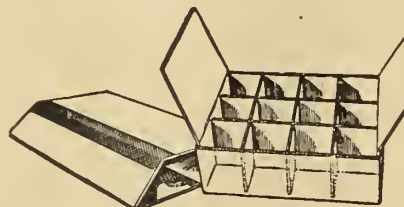
No. 4—32-quart hopper. Weight, 25 lbs., \$7.50.



Norwich Automatic Feeder

So constructed that each egg is separated by a thickness of corrugated board and the contents are surrounded by a double wall of air-cushioned board. Absolute protection is assured; possesses strength and durability to stand rough handling in transit.

PARCEL POST EGG BOXES



Capacity	Each	Doz.	Capacity	Each	Doz.
1 doz.....	\$0.20	\$2.25	4 doz.....	\$0.40	\$4.25
2 doz.....	.30	3.00	5 doz.....	.45	4.75
3 doz.....	.35	3.75			

SALT BRICKS

For dairy cows, horses and other animals. This is an essential to general good health in stables among horses and cattle; fastened on the wall it is accessible at all times and remains clean. Per brick, 25c.; \$2.75 per dozen. P. P. Weight, each, 5 lbs.

Salt Brick Holders, 50c. each; \$5.00 doz. P. P. Weight, 3 lbs.



CALF WEANERS

Easily attached, cannot harm either the calf or the cow.

No. 1—For calf under 1 year. 60c. P. P. Weight, 4 ozs.

No. 2—For calf over 1 year, 75c. P. P. Weight, 6 ozs.

No. 3—For cows, 90c. P. P. Weight, 10 ozs.

RICHMOND BUTTER CHURNS

First quality white cedar, carefully finished, easily cleaned.

No. 1. 3 gals.....\$4.50

No. 2. 4 gals.....5.00

No. 3. 7 gals.....6.00

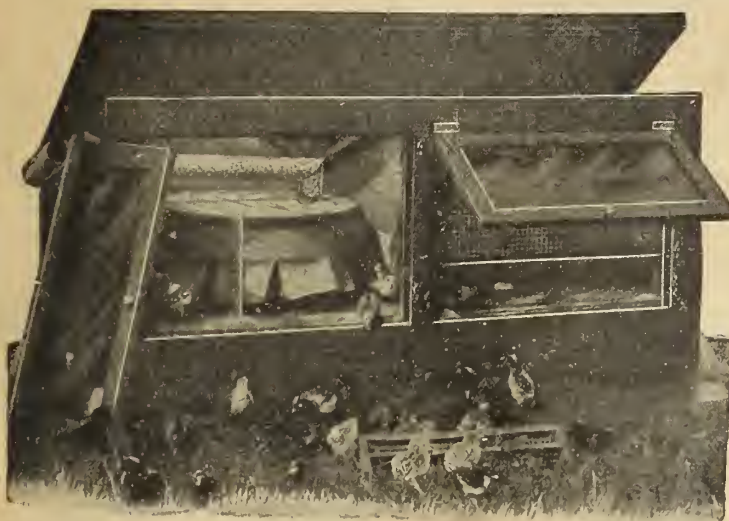
WATER PAILS

J. I. C. Extra heavy; white cedar, 16 qts., \$1.75.

PERFECT MILKING PAIL



A stool and bucket combined; made of heavy tinned ware with a removable cover and strainer, the latter preventing anything from getting into the milk. Price, \$10.00.



PRAIRIE STATE COLONY HOUSE

The Colony Brooder, with its dry, roomy quarters, level floors, overhead heat, graduated temperature, thorough ventilation and sun parlor for exercise, offers a happy solution to chick raising.

When the soil becomes worn out or if the location has become infected with disease or vermin, the removal of a portable colony brooder is an easy matter, and the birds can be given new quarters on fresh soil and amid new surroundings.

To transform the Combination Brooder into a Colony House, slip out the middle partition, remove the hover and lamp, and you have one of the neatest colony houses that could be built.

3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator).....\$45.00

Heat Regulator for the Above \$2.00, if Bought with Colony House

PRAIRIE STATE JR. PORTABLE HOVER

It is impossible for chicks to crowd in a Prairie State Portable Hover. It is provided with an accurate and sensitive regulator, which automatically controls the temperature day in and day out as closely as an incubator. It requires no watching and newly-hatched chicks can be entrusted to its care without the slightest thought for safety. This hover can be successfully used inside of a poultry house or attached to a Colony Brooder. It is made entirely of iron and metal, except the hover cloth. Not a particle of wood on it, hence no danger from fire. Ample nursery space for 50 chicks. Price, \$14.00 (with regulator).



*UNIVERSAL PRAIRIE STATE HOVERS

Without lamp box, for indoor use, \$11.00.

With lamp box, for outdoor use, \$12.00.

Regulators for those marked (*), \$3.00 each if bought separately, or \$2.00 additional if bought with hover.

THE HOME HATCHER HOVER

Especially designed to meet the requirements of the raiser of a small flock of poultry. Substantially built and of fireproof construction throughout. With the exception of the legs, the entire hover, including the lamp, is made of heavy galvanized iron. It is fitted with a lamp for which a separate housing is provided. An ideal hover for baby chicks. Capacity, 50 chicks. Price, \$7.00.

LIBERTY-MARVEL OIL HEATED COLONY HOVER

Hovers made of galvanized sheet iron, supported by three legs. Cone shaped hover distributes heat evenly on the chicks' back. Burns coal oil; steady blue flame; regulated automatically.

No.	Capacity	Price
30.....	350.....	\$15.50
42.....	500.....	18.50
52.....	1000.....	23.50

Prices of Poultry Food fluctuate constantly and will be quoted on application where prices are not mentioned.

For Bird Seeds and Supplies see Page 159

FEDERAL TAX NOTICE

All articles prefixed with an asterisk (*) on pages 152 and 153 are subject to a revenue tax of 1c. for each 25c. in value or fraction thereof, and this tax must be paid by the purchaser.

- Alfalfa Hay.** 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.25; \$2.25 for 50 lbs.; 100 lbs., \$4.00.
- Alfalfa Meal.** Rich in protein and especially desirable for young birds. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.25; \$2.25 per 50 lbs.; 100 lbs., \$4.00.
- *Animal Regulator** (Pratt's). 30c. and 60c. pkg.; 12 lbs., \$2.50.
- Barley.** Principally fed for making feathers and bone. 5 lbs., 30c.; 55c. for 10 lbs.
- Bone** (*Coarse Ground*). For feeding grown fowls. For muscle making, producing eggs and as a digester.
- Bone** (*Fine Grade*). For feeding chicks and pullets and using in the mash. Prices for bone, 5 lbs., 50c.; 85c. for 10 lbs., 25 lbs., \$1.75; \$3.25 for 50 lbs.; 100 lbs., \$6.00.
- Bran** (*Wheat*). For mash, etc. An excellent egg maker and very nutritious. 5 lbs., 30c.; 50c. for 10 lbs.; 25 lbs., \$1.10; \$2.00 per 50 lbs.; 100 lbs., \$3.75.
- Broken Rice.** 15c. per lb.; 5 lbs., 65c.; \$1.15 for 10 lbs.; 25 lbs., \$2.50.
- Buckwheat.** Fed very largely as a change of diet. Qt., 15c.; 50c. for 4 qts.; pk., 90c.
- Cake Meal.** For mixing in the mash. 5 lbs., 45c.; 80c. for 10 lbs.; 25 lbs., \$1.70.
- Calf Meal** (Blatchford's). For weaning calves from cows and taking the place of milk. 5 lbs., 50c.; 85c. for 10 lbs.; 25 lbs., \$2.00; \$3.75 for 50 lbs.; 100 lbs., \$7.00.
- Canada Peas.** Principally fed to pigeons, when it acts as a bowel regulator. 5 lbs., 50c.
- Cat Food** (Spratt's). Per large carton, 35c.
- Catnip Balls.** A plaything and tonic for pussy. 15c. each.
- Charcoal.** Two grades, *fine* and *coarse*. Disinfects the bowels and tones up the whole system. 1 lb., 8c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.25 for 25 lbs.; 100 lbs., \$4.00.
- Chicgrain** (Spratt's). Can be used as the staple food from the very day the chick is hatched. 60c. per 5 lbs.; 10 lbs., \$1.00; \$2.25 for 25 lbs.; 50 lbs. for \$4.00; \$7.75 per 100 lbs.
- Chick Food** (Michell's). Made from clean, wholesome grains. 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$5.75 per 100 lbs.
- Chick Food** (Park and Pollard). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.60; \$6.00 per 100 lbs.
- *Chick Food** (Pratt's). For newly-hatched chicks. 2½ lbs., 30c.; 60c. for 5½ lbs.; 14 lbs., \$1.35; \$2.25 for 25 lbs.
- Chick Manna.** Price, 1 lb., 20c.; 50c. for 3 lbs.; 5 lbs., 75c.; \$2.00 for 15 lbs.; 60-lb. case, in bulk, \$6.25.
- Chick Meal** (Spratt's No. 5 and No. 3). For show or prize stock; develops strong, husky specimens. 5 lbs., 65c.; \$1.10 for 10 lbs.; 25 lbs., \$2.50; 50 lbs., \$4.90; \$9.50 per 100 lbs.
- *Condition Powder** (Sheridan's). A natural stimulant and persuader for the hen. 15c. package; 2½-lb. can, 75c.
- *Condition Tablets** (Pratt's). 30c. and 60c. per box.
- *Conkey's Laying Tonic.** 30c. per pkg.
- Conkey's Starting Food for Baby Chicks.** Contains bone and muscle making properties in the highest degree. 1 lb., 15c.; 35c. for 3 lbs.; 5 lbs., 55c.; \$1.00 for 10 lbs.; 25 lbs., \$2.25; \$4.25 for 50 lbs.; 100 lbs., \$7.75.
- Corn Meal** (*Special Process*). Suitable for either mash or feeding little chicks. 5 lbs., 30c.; 50c. for 10 lbs.; 25 lbs., 45c.; \$1.75 for 50 lbs.; 100 lbs., \$3.25.
- Cracked Corn.** Carefully sifted; fine or coarse. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.20; \$2.35 for 50 lbs.; 100 lbs., \$4.50.
- Cut Clover Hay.** Excellent for using in mashes, taking the place of green food. 5 lbs., 30c.; 55c. for 10 lbs.; 25 lbs., \$1.25; \$2.15 for 50 lbs.; 100 lbs., \$4.00.
- Developing Food** (Michell's). A mixture of grain that is fed from the time chicks are 3 weeks old till they are 3 months old. 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$5.75 for 100 lbs.
- Dog Cakes** (Spratt's). Small pkg., 45c.; 80c. per large pkg.; 25 lbs., \$3.75; \$7.00 per 50 lbs.; 100 lbs., \$13.50.
- Dog Cakes** (*Maltoide Milkbone*). 20c. and 40c. per carton; 10 lbs., \$2.00; \$4.25 per 25 lbs.; 50 lbs., \$6.50; \$12.00 per 100 lbs.
- Fish, Dried Ground.** Splendid for egg production. 5 lbs., 45c.; 85c. for 10 lbs.; 25 lbs., \$2.00; \$3.75 per 50 lbs.; 100 lbs., \$7.00.
- Gluten Meal.** For feeding to both poultry and cows. 5 lbs., 30c.; 55c. for 10 lbs.; 25 lbs., \$1.25; \$2.25 for 50 lbs.; 100 lbs., \$4.25.
- Grit.** Fine, medium and coarse. 5 lbs., 20c.; 35c. for 10 lbs.; 25 lbs., 75c.; \$1.25 for 50 lbs.; 100 lbs., \$2.00; \$8.50 for 500 lbs.; 1000 lbs., \$16.00; \$30.00 per ton.
- Grit** (*Red Cross Health*). For pigeons. 5 lbs., 20c.; 35c. for 10 lbs.; 25 lbs., 65c.; \$1.25 for 50 lbs.; 100 lbs., \$2.25.
- Ground Oats.** This makes an excellent dry food when combined with other similar ration. 5 lbs., 30c.; 50c. for 10 lbs.; 25 lbs., \$1.00; \$1.90 for 50 lbs.; 100 lbs., \$3.50.
- Growing Food** (Park and Pollard). Feed when chicks are developing. 5 lbs., 40c.; 65c. for 10 lbs.; 25 lbs., \$1.25; \$4.50 per 100 lbs.
- Hemp Seed.** Fed largely to pigeons, also to poultry during winter months. 15c. per lb.; 5 lbs., 70c.; \$1.30 per 10 lbs.
- Hulled Oats.** A splendid food for young chicks. 5 lbs., 40c.; \$1.75 per 25 lbs.; 50 lbs., \$3.25; \$6.00 per 100 lbs.
- Kaffir Corn.** Makes a fine food for pigeons, also used for poultry. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$2.25 for 50 lbs.; 100 lbs., \$4.00.
- Linseed Meal.** For feeding with the regular ration during the moulting period. 20c. per lb.; 5 lbs., 90c.; \$1.60 per 10 lbs.
- Mash Food** (Michell's Buttermilk). Rich in bone, muscle and feather making elements. 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$5.50 per 100 lbs.
- Mash Food** (Park and Pollard). (Lay or bust). 5 lbs., 40c.; 65c. per 10 lbs.; 25 lbs., \$1.25; \$4.50 per 100 lbs.
- Mash Food** (*Buttermilk*). For chicks. A specially prepared mash to develop quick growth in young stock. 5 lbs., 35c.; 65c. for 10 lbs.; 25 lbs., \$1.50; \$5.50 per 100 lbs.
- Meat** (*Prepared*). Very rich in protein. 5 lbs., 50c.; 95c. for 10 lbs.; 25 lbs., \$1.85; \$3.50 for 50 lbs.; 100 lbs., \$6.50.
- Middlings.** An excellent change in combination of a mash. 5 lbs., 25c.; 45c. for 10 lbs.; 25 lbs., \$1.00; \$3.40 per 100 lbs.
- Millet** (*For Feeding*). Highly nutritious and used extensively for pigeons and young chickens. 10c. per lb.; 5 lbs., 40c.; 70c. per 10 lbs.
- Mustard** (*Poultry*). A highly valuable poultry tonic. 1½ lbs., 60c.; \$1.10 for 3 lbs.; 5 lbs., \$1.50.
- Oat Meal** (*Pin Head*). An excellent food for young chicks after they are a few days old. 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.65; \$3.00 per 50 lbs.; 100 lbs., \$5.75.
- Oyster Shells.** Fine and coarse. State which is wanted when ordering. 5 lbs., 15c.; 60c. for 25 lbs.; 50 lbs., \$1.10; \$2.00 per 100 lbs.; 500 lbs., \$8.50; \$27.50 per ton.
- *Panacea** (*Poultry Tonic*). 2½ lbs., 30c.; 60c. per 5 lbs.; 12½ lbs., \$1.25.
- Pheasant Meal** (Spratt's). No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.50; \$4.90 per 50 lbs.; 100 lbs., \$9.50.
- Poultry Food** (Spratt's No. 3). A splendid egg producer. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.50; \$4.90 per 50 lbs.; 100 lbs., \$9.50.
- Poultry or Scratch Food** (Michell's). An evenly balanced grain ration. 5 lb., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.25; 100 lbs., \$4.40.
- Poultry or Scratch Food** (Park and Pollard). A carefully prepared food. 5 lbs., 40c.; 65c. for 10 lbs.; 25 lbs., \$1.25; \$4.50 per 100 lbs.
- *Pratt's Poultry Regulator.** Price, 8 oz. package, 12c.; 24-oz., 30c.; 60c. per 4 lbs.; 12-lb. bag, \$1.20; \$1.75 per 12-lb. pail; 25 lbs., \$3.00; \$10.00 per 100 lbs.
- Prepared Pigeon Food.** An excellent mixture of grain. 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.75; \$6.50 per 100 lbs.
- Puppy Cakes** (Spratt's). Small pkg., 45c.; 80c. large pkg.; 25 lbs., \$3.95; \$7.50 per 50 lbs.; 100 lbs., \$14.00.
- Puppy Cakes** (*Maltoide Milkbone*). 20c. and 40c. per carton; 10 lbs., \$2.15; \$4.50 per 25 lbs.; 50 lbs., \$6.75.
- Salt Cat.** A tonic for pigeons. 25c. per brick; per doz., \$2.75.
- Sunflower Seed.** For poultry, parrots, etc. 15c. per lb.; 40c. per 3 lbs.; 5 lbs., 65c.; \$1.20 per 10 lbs.; bus. (25 lbs.), \$2.75.
- Vetches or Tares.** For pigeon feeding. Ask for quotations.

SPECIAL NOTE

We publish a complete Catalogue on Poultry Supplies, which is free on application.

MICHELL'S POULTRY REMEDIES, LICE DESTROYERS, 153 DISINFECTANTS, ETC.



Carbola. An improvement on white wash, combining the features of a cold water paint and disinfectant; will not rub or chop; not a lime product. 30c. per 2 lbs.; 10 lbs., \$1.25.

Carboletta. A carbolic solution for painting roosts, spraying, etc. 40c. per qt.; $\frac{1}{2}$ gal., 65c.; \$1.00 per gal.

Carbolineum (*Protexol Genuine Arvenarius*). A poultry house disinfectant, louse and mite destroyer; excellent wood preservative; in gallon cans only. \$1.50 per gal.; 5 gals. for \$7.00.

***Condition Tablets** (Pratt's). 30c. and 60c. per pkg.

***Conkey's Canker Special.** A wonderful and effective remedy. 60c. per pkg.

***Conkey's Cholera Cure.** 30c. and 60c. per pkg.

***Conkey's Chicken Pox Remedy.** 30c. and 60c. per pkg.

***Conkey's Gape Cure.** For young chicks. 60c. per pkg.

***Conkey's Lice Fix.** For destroying mites, lice, etc. 60c.

Conkey's Lice Killer (*Liquid*). For painting roosts, poultry houses, spraying nests and general vermin cleaning, etc. Qt., 60c.; 90c. per $\frac{1}{2}$ gal.; 1 gal., \$1.50.

Conkey's Lice Powder. A sure destroyer. 30c., 60c. and \$1.60 per pkg.

Conkey's Noxi-cide. A germ destroyer, which will keep the poultry house in a pure, sanitary condition, destroy all germs and drive out the lice and mites. 50c. per pt.; 1 qt., 75c.; \$1.25 for 2 qts.; 1 gal., \$2.00.

***Conkey's Roup Cure.** The most widely used of the roup remedies; administered in the drinking water. 30c., 60c. and \$1.20 per box.

***Conkey's Scaly Leg Remedy.** A sure cure. 30c. per pkg.

***Conkey's White Diarrhoea Cure.** For little chicks; results always satisfactory. 30c. and 60c. per package.

Death to Lice (Lambert's). For dusting fowls and nests. The most effective chicken lice exterminator in existence. 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-oz. pkg.

Death to Lice Ointment. A salve or ointment used on the heads of newly-hatched chicks. It drives away lice instantly. Easily applied; no mess; no trouble. 10c. and 25c. per box.

Gape Worm Extractors. Two styles: Hallowell, made of German silver and horse hair, 10c. each. Pilling, made entirely of German silver, 25c. each.

***Germozone** (Lee's). The standard remedy for the prevention and cure of most every ill that affects poultry, such as roup, cholera, bowel complaint, diarrhoea, sore head, gapes, etc. Germozone's greatest value is in preventing sickness. In tablet form, 75c.

Lice Expelling Nest Eggs. These are made of naphthaline and are an ideal substitute for the natural egg, which they closely resemble. 6c. each; per doz., 65c.; \$4.50 per 100.

***Oculum.** For cholera, roup and diarrhoea. May be used on chicks and grown fowls with equal success. 50c. and \$1.00 per bottle.

Persian Insect Powder. This is probably the oldest lice expelling powder in existence. $\frac{1}{4}$ lb., 45c.; 75c. per $\frac{1}{2}$ lb.; lb., \$1.35.

Pratt's Disinfectant. For spraying poultry houses, stables, etc. It gets rid of lice and mites and keeps poultry houses clean and healthy. 60c. per qt.; $\frac{1}{2}$ gal., \$1.00; \$1.75 per gal.

Pratt's Lice Powder. For dusting nests, fowls, chicks, etc.; quickly kills the lice. 30c. and 60c. per box.

FEDERAL TAX NOTICE

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***Pratt's Roup Remedy** (*Pills*). For roup, canker, catarrh and diphtheria. As a preventative it is unsurpassed. 30c., 60c. and \$1.20 per box.

Pratt's Sore Head Remedy. A sure, rapid cure for the dreaded disease known as sore head or chicken pox. 30c. and 60c. per box.

***Pratt's White Diarrhoea Remedy.** For baby chicks; keep the germs of the disease from becoming active by using this remedy. 30c. and 60c.

Roup Syringe. For administering liquid roup remedies in the nostrils or throat. Price, 15c. each.

Spratt's Dog Soap. Entirely free from poison, and at the same time most effective in the destruction of lice and fleas. 25c. per cake.

Sulphur Candles. Large size, 30c. each; per doz., \$3.00. Small size, 20c. each; per doz., \$2.00.

Tobacco Dust. For dusting on roosts, nests, etc., to keep away vermin. 10c. per lb.; 5 lbs. for 45c.; 85c. for 10 lbs.; 25 lbs., \$1.75; \$3.25 per 50 lbs.; 100 lbs., \$6.00.

Tobacco Stems. For making nests, etc. 15c. per lb.; 5 lbs., 40c.; \$1.00 per bushel; per bbl. bag, \$1.75; in large bales of about 250 lbs., at $2\frac{1}{4}$ c. lb.; per $\frac{1}{2}$ ton, \$17.00; \$32.00 per ton.

***Whiting's Roupene.** An infallible preventive and sure cure for all cases of roup, canker, diphtheria, chicken pox or sore head, gapes, colds and all diseases of the respiratory organs of fowls or pigeons. Will cure dogs of the sniffles. Price, 50c. and \$1.00 per bottle.

***Whiting's White Diarrhoea Remedy.** 50c. and \$1.00 per bottle.

Zenoleum Lice Powder. For dusting hens and nests; fine for brooding hens. 35c. per 16-oz. pkg.

Zenoleum Liquid. Dilute one part Zenoleum to one hundred parts water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. Zenoleum is a concentrated solution of coal tar. It is mixed with hot or cold water, making a perfect emulsion that requires no boiling or stilling. 8 ozs., 35c.; 75c. per qt.; $\frac{1}{2}$ gal., \$1.25; \$2.00 per gal.; 5-gal. can, \$9.50.

RAT CORN



It mummifies the Rodents, eliminating nauseous odors. It will not kill human beings.

One of the most repulsive scourges humanity has to fight is the rat. He has killed millions of human beings by Bubonic Plague infection. He eats and destroys over

\$500,000,000 worth of property in the United States alone. He is a constant menace and danger to the human race. **RAT CORN** is a sure rodent exterminator, but there is **no danger** of fatalities, accidents or otherwise, and disagreeable odors are unknown.

The United States Government authorities have started a relentless war on the rat, and all citizens should start at once and co-operate with Federal, State and city departments of health in this great work, as quick action for big and successful results is absolutely necessary at this time.

Rats Carry Fleas and Fleas Carry the Bubonic Plague.

It is a recognized fact, acknowledged by scientists throughout the world, that **no rat, no flea; no flea, no plague**. The public must do its full duty at this time and **kill rats by the million**, as has been done elsewhere by the use of **RAT CORN**.

25c., 50c., \$1.00

(Postpaid).

After Eating Rat Corn
He Becomes Mummified.



ALL PRICES SUBJECT TO MARKET CHANGES

(oh)

MICHELL'S HIGH GRADE FERTILIZERS

PLEASE NOTE—No smaller quantity of Fertilizer than here offered can be supplied

All prices on Fertilizers subject to market changes.

Alphano Inoculant. A soil bacteria used in growing legumes, thereby increasing the crop and enriching the soil. It comes in a finely powdered form, making it easy to use. 1-acre size (2 lbs.) \$1.00; per 10-acre size (20 lbs.), \$8.00. (See page 36.)

Acid or Rock Phosphate (14 per cent.). Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200 lb. sacks only; \$5.00 per 200 lbs.; ½ ton, \$21.00; \$40.00 per ton.

Ashes, Hard Wood. Apply 1000 lbs., per acre. Indispensable for all crops requiring potash; excellent for mixing with potting soil. For top dressing lawns and grass fields it is applied to best advantage either in very early spring or late fall. Per 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.50 per 200-lb. bbl.; 1000 lbs., \$20.00; per ton, \$37.50.

Asparagus Fertilizer. A mixture that promotes the root and top growth. Apply 800 lbs. per acre. 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$7.25 per 200 lbs.; ton, \$67.50.

Bacteria, Mulford Culture. For inoculating clovers and other legumes, such as beans, peas and such other plants that have blossoms similar in shape and form to the above named. When ordering, please state for what crop you desire to use it. 35c. per trial bottle; ¼ acre size, 75c.; \$1.50 per acre size; 5 acre size, \$5.00. See page 36.

Bacteria, Standard Inoculating. For all legumes; increases the yield; enriches the soil; hastens maturity; improves feeding value. Please specify on your order for what crop you desire to use it, as there is a different strain for each legume. Trial size (supplied only for Garden Beans, Garden Peas and Sweet Peas) 25c.; 50c. per garden size; one acre size, 75c. (See page 36.)

Blood (Dried). Apply 300 lbs. per acre. For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.75; \$5.00 per 50 lbs.; 100 lbs., \$9.00; \$17.50 per 200 lbs.

Bon Arbor. A concentrated chemical fertilizer to be used in liquid or powder form, according to directions on package. Dilute 1 lb. to 30 gals. water. Per 8 oz., 30c.; 60c. per lb.; 5 lbs., \$2.75.

Bone Flour. Finely pulverized and bolted. Effective immediately. For rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Apply 600 lbs. per acre. 5 lbs., 50c.; 85c. per 10 lbs.; 25 lbs., \$1.75; \$3.25 per 50 lbs.; 100 lbs., \$6.00; \$11.00 per 200 lbs.; 1000 lbs., \$50.00; \$90.00 per ton.

Bone Meal (Michell's Special Grade). Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Apply 800 to 1000 lbs. per acre. 3 lbs., 25c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.40 for 25 lbs.; 50 lbs., \$2.50; \$4.50 per 100 lbs.; 200 lbs., \$8.50; \$40.00 per ½ ton; ton, \$77.50.

Chrysanthemum Manure (Thomson's Special). Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Per 28-lb. sack, \$4.00; \$7.00 per 56-lb. sack.

Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 28 lbs., \$4.50; \$7.50 per 56 lbs.; 112 lbs., \$14.00.

Climax Lawn Sand. (See Lawn Sand.)

Cotton Seed Meal. Apply 800 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer, for putting greens it is invaluable. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.40; \$2.50 for 50 lbs.; 100 lbs., \$4.25; \$7.50 per 200 lbs.; 1000 lbs., \$32.50; \$62.50 per ton.



Cow or Cattle Manure (Shredded).

One sack of this is equal to one cartload of cow manure in regular form. Convenient to handle, making it possible for everyone to get this usually scarce article at all times. Especially suited for soil mixing, mulching and liquid manuring. Apply 1000 lbs. per acre. \$3.75 per 100 lbs.; 500 lbs., \$16.50; \$31.00 per 1000 lbs.; ton, \$60.00.



Cow or Cattle Manure (Pulverized). Thoroughly sterilized and weedless. Quick in action and especially desirable for pot plants, etc. \$3.75 per 100 lbs.; 500 lbs., \$16.50; \$31.00 per 1000 lbs.; ton, \$60.00.

Dissolved Bone. Apply 600 to 800 lbs. per acre. Used principally for indoor culture, although it is highly recommended for a grass top dressing. In 200-lb. bags only, \$7.50.

Grass and Grain Fertilizer (Michell's). A splendid mixture for top dressing wheat, rye, timothy and grass fields. Apply 800 to 1000 lbs. per acre. 200 lbs. for \$6.50; \$31.50 per 1000 lbs.; per ton, \$60.00.

Hog Manure (Pulverized). Put up and sold in 100-lb. bags only; splendid for forcing vegetables and flowering plants, increasing size and yield. Per 100 lbs., \$3.75; \$16.50 for 500 lbs.

Horn Shavings. Used principally for mixing in potting; is rich in ammonia; especially valuable in chrysanthemum growing. 5 lbs., 85c.; \$1.50 for 10 lbs.; 25 lbs., \$2.25; \$4.00 for 50 lbs., 100 lbs., \$7.50.

Humus (Alphano Prepared). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with ½ to 2 inches of Humus and spaded in. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs. for 90c.; \$2.75 per 100 lbs.; 500 lbs., \$12.00; \$18.00 per 1000 lbs.; 2000 lbs., \$32.50. (Special price f. o. b. Alphano, N. J.)

Kainit (Potash Salts). Apply 800 to 1000 lbs. per acre. Excellent for potatoes, corn and other grains; also for top dressing asparagus beds, etc. Price on application.

Land Plaster. Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields; also used for mixing with Paris Green. Apply 1500 to 2000 lbs. per acre. 40c. for 10 lbs.; 25 lbs., 75c.; \$1.10 for 50 lbs.; 100 lbs., \$1.90; \$3.50 for 200 lbs.; ½ ton, \$13.50; \$26.50 per ton.

Lawn Sand (Climax). A weed destroyer as well as a fertilizer, containing a large percentage of nitrogen. Will be found very valuable for lawn use. For best results follow the directions on the package. 3½ lb. tin, 75c.; \$1.35 for 7 lbs.; 14 lbs., \$2.25; \$3.50 per 28 lbs.; 56 lbs., \$6.00; \$11.50 per 112 lbs.

Lime (Hydrated or Powdered). This is a very fine article for distributing on grass. Promotes growth and gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre. Per 100-lb. sack, \$1.75; \$7.50 per 500 lbs.; 1000 lbs., \$14.00; \$25.00 per ton.

Limestone (Pulverized). For applying on sour or wornout soils at the rate of 1 ton per acre. Put up in 100-lb. bags, \$1.75 per bag; 500 lbs., \$6.50; \$11.00 per 1000 lbs.; ton, \$20.00.

Limoid. Made from pure lump lime, thoroughly hydrated. 10-lb. pkg., 45c.

Manure (Fresh Horse, Stockyard and Cow). At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices on request.

Muriate of Potash. Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent. actual potash. Price upon application.

ALL PRICES SUBJECT TO MARKET CHANGES

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MICHELL'S HIGH GRADE FERTILIZERS

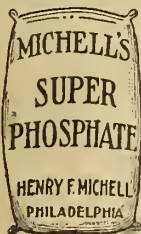
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PLEASE NOTE—No smaller quantity of Fertilizer than here offered can be supplied

All prices on Fertilizers subject to market changes.

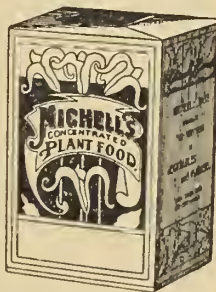
Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 1 lb., 15c.; 70c. per 5 lbs.; 10 lbs., \$1.30; \$2.25 per 25-lb. bag; 50-lb. bag, \$4.00; \$7.75 per 100 lbs.

Phosphate (Michell's High-Grade). For all vegetable crops, grains, grass, etc. Apply 800 to 1000 lbs. per acre broadcast. 5 lbs., 35c.; 50c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.50; \$6.50 per 200 lbs.; ½ ton, \$30.00; \$57.50 per ton.



Phosphate for Corn (Michell's). Apply 800 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of either field or sugar corn. 25 lbs. for \$1.00; \$1.85 for 50 lbs.; 100 lbs. for \$3.50; \$6.75 for 200 lbs.; per ½ ton, \$30.00; \$57.50 per ton.

Plant Food (Michell's). A highly concentrated chemical fertilizer for house, garden or conservatory. Clean, odorless and producing early and abundant blossoms of rich and brilliant color, and healthy, luxuriant plants. Analysis: Nitrogen, 2½%; available phosphoric acid, 7%; potash, 2%. Per 6 oz. pkg., 20c.; 30c. per 12 oz. pkg. Allow for postage if wanted by mail.



Plant Life (Zenke's). A liquid plant food, tonic and fertilizer. It contains in concentrated form the elements of plant food in proper proportion for absorption by the plant. Per 8 oz., 25c.; \$3.25 per gal.

Potato Fertilizer (Michell's). Apply at the rate of from 800 to 1000 lbs. per acre. The principal fertilizer for potatoes in this section, being especially compounded for this purpose. 25 lbs., \$1.50; \$2.25 per 50 lbs.; per 100 lbs., \$4.25; \$7.50 per 200 lbs.; per ½ ton, \$35.00; \$67.50 per ton.

Poudrette (Native Guano). Apply 1000 lbs. per acre. Extensively used for gardens, lawns, in making compost and in fact wherever a good quick-acting fertilizer is wanted; it is odorless and easily handled. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.25; \$4.00 per 200 lbs.; 1000 lbs., \$17.50; \$34.00 per ton.

Salt. For asparagus beds and putting on walks and roads to kill weeds. Apply 800 lbs. per acre in early spring. 25 lbs. for 75c.; \$1.25 for 50 lbs.; \$2.00 per 100 lbs.; 200 lbs., \$3.50; \$27.50 per ton.

Sheep Manure (Wizard Brand). Apply 1000 lbs. per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 2 lbs., 30c.; 45c. per 5 lbs.; 10 lbs., 80c.; \$1.35 per 25 lbs.; 50 lbs., \$2.25; \$3.75 per 100 lbs.; 500 lbs., \$16.50; \$31.00 per 1000 lbs.; per ton, \$60.00.



Soot (Imported Scotch). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on top of and underneath the surface. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.25; \$4.25 per 50 lbs.; \$7.00 per 112 lbs.

Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired; will stimulate growth almost immediately. Analysis: equal to 25% of ammonia. Price on application.

Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for root and grain crops. Analysis equal to 50% of actual potash. Price upon application.

Tankage. This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 50 lbs., \$2.25; \$4.00 per 100 lbs.; 200 lbs., \$7.00; \$33.50 per ½ ton; ton, \$65.00.

Thomson's Special Flower, Vegetable and Vine Manure. Imported from England, this excellent chemical fertilizer is a reliable food and stimulant for every fruit-bearing plant, also foliage and flowering plants and vegetables of all descriptions. So compounded as to combine stimulating with lasting effects. 28 lb. bags, \$3.00; \$5.75 per 56 lbs.; 112 lbs., \$10.00.

Wheat Fertilizer. For grass and grain crops. Apply 800 lbs. per acre. \$6.50 per 200 lbs.; ½ ton, \$31.50; \$60.00 per ton.

Tobacco Stems. For fumigating, mulching and fertilizing, these are invaluable. The chief fertilizing element in them is the potash. 40c. for 5 lbs.; per bu., \$1.00; \$1.75 per bbl. sack; in large bales at 2½c. per lb.; per ½ ton, \$15.00; \$27.50 per ton.



Wood Ashes. See ashes at top of opposite page.



A Fairway on the course of Pine Valley Golf Club, Pine Valley, N. J., treated with Alphano Humus

PREPARED ALPHANO HUMUS

"THE IDEAL SOIL ENRICHER"

The reason many vegetable gardens do not give the maximum of returns is because the soil lacks vegetable matter (Humus), probably one of the most essential needs. Soil without bacteria organic matter is not usually very productive and yet that is just the condition soils get into if you pile in only commercial fertilizer and leave humus out. Barnyard manure is extremely scarce now, so that with the combination of commercial fertilizers and humus we get a balanced plant food, which means big crops of early vegetables. You can't introduce weeds into the soil either when you use "Alphano" which is another valuable point. Humus helps to make light soils heavier, and heavy soils more porous, it promotes early, rapid and continuous growth until harvest time. When you make your hotbed incorporate Alphano into the soil liberally, when you sow peas or beans, plant corn and set out vegetables, let a good big application of humus go into the hole or furrow. Humus is rich in nitrogen, phosphoric acid and potash, it's a natural fertilizer, cannot burn or injure seeds or plants. Buy it by the sack or more; it keeps indefinitely and is mighty handy to have when you want to make a quick application to some plant that is not just doing right. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., 90c.; \$2.75 per 100 lbs.; 500 lbs., \$12.00; \$18.00 per 1000 lbs.; 2000 lbs., \$32.50.

ALL PRICES SUBJECT TO MARKET CHANGES

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MICHELL'S INSECT DESTROYERS, ETC.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE, OR WE SHALL BE PLEASED TO GIVE INFORMATION BY MAIL OR OTHERWISE

Ant Exterminator (Magic). A powder that is used for distributing around buildings, on the greenhouse benches, on lawns, gardens, and any other places infested by ants. Per $\frac{1}{4}$ lb., 30c.; 50c. per $\frac{1}{2}$ lb.; lb., 80c.; \$3.25 per 5 lbs.

Ant Exterminator (Zenke's). An effective liquid form of this important insecticide. Per 8 oz., 30c.; 75c. per qt.; $\frac{1}{2}$ gal., \$1.25; \$2.25 per gal.

Aphine. For destroying aphids, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. $\frac{1}{4}$ pt., 25c.; 40c. per $\frac{1}{2}$ pt.; pt., 65c.; \$1.15 per qt.; per gal., \$3.25.

Arsenate of Lead (Paste). For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds, especially valuable for spraying to prevent the codling moth; dilutes 1 lb. to 25 gals. water. Per lb., 40c.; \$1.65 per 5 lbs.; 10 lbs., \$3.00; \$5.25 per 25 lbs.; 50 lbs., \$9.00; \$17.00 per 100 lbs.

Arsenate of Lead (Powdered). 1 lb. to $1\frac{1}{2}$ lbs. dilutes to 50 gals. of water, or may be used dry, like Paris Green. Per lb., 60c.; \$2.75 per 5 lbs.; 10 lbs., \$5.25; \$11.00 per 25 lbs.; 50 lbs., \$20.50; \$38.00 per 100 lbs.

Black Leaf 40. A concentrated solution of nicotine sulphate, an excellent spray for black aphids and sucking insects of all kinds. Full directions on each package. Per 1 oz. bottle, 25c.; \$1.15 per $\frac{1}{2}$ lb.; 2 lbs., \$3.50; \$14.50 per 10 lbs.

Bordeaux Arsenate. A combined fungicide and insecticide, for fruit trees, potatoes, melons, cucumbers, etc.; also for mildew, black spots, etc., on roses. Per lb., 45c.; \$1.65 per 5 lbs.; 10 lbs., \$2.75; \$6.00 per 25 lbs.; 50 lbs., \$10.00; \$18.50 per 100 lbs.

Bordeaux Mixture (Paste). Used principally for mildew, blight and fungous diseases that affect potatoes and fruit trees; by adding water it is ready for use. In 5-gal. kegs only, price \$7.50.

Bordeaux Mixture (Dry Form). For dusting plants affected with mildew and all fungous diseases. Per lb., 30c.; \$1.40 per 5 lbs.; 10 lbs., \$2.25.

Boro-Wax. For painting trees to destroy and keep away borers. Per qt., 60c.; \$1.00 per $\frac{1}{2}$ gal.; gal., \$1.50.

Bug Death. Largely used instead of Paris Green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb., 20c.; 50c. per 3 lbs.; 5 lbs., 75c.; \$1.65 per $12\frac{1}{2}$ lbs.; 100 lbs., \$8.75.

Bug Death (Aphis). For destroying aphids on vegetable plants. 12 oz. pkg., 20c.; \$8.50 per 80-lb. keg.

Carbolineum (Arvenarius). Now called Protexol. A germicide and disinfectant for purifying poultry houses, stables, etc.; also an excellent wood preserver when used as a paint. Per gal., \$1.50; \$7.00 per 5 gals.

Copper Solution. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., \$1.50; \$3.75 per gal.

Cyanegg. For generating Hydrocyanic Acid Gas. Claimed to be the best remedy for killing white fly. Per lb., \$1.00.

Dalmatian or Persian Powder. For ridding buildings of all kinds of insect pests; particularly roaches, ants, moths and fleas. Per $\frac{1}{4}$ lb., 45c.; 75c. per $\frac{1}{2}$ lb.; lb., \$1.35; \$6.50 per 5 lbs.

Fir Tree Oil Soap. This is very much like the Fir Tree Oil, except that it is in the shape of soft soap, and many prefer to use it in that way. It is dissolved according to directions in warm or hot water and used as a spray or wash. For destroying mealy bugs, scale, aphids, red spider, etc. Per $\frac{1}{2}$ lb., 40c.; \$1.00 per 2-lb. can.

Fish Oil Soap. An excellent summer spray, when something stronger cannot be used, where San Jose Scale exists. It is nice for washing off lemon trees, oleanders, and almost anything that would be infested with soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per $\frac{1}{2}$ lb., 15c.; 25c. per lb.; 5 lbs., \$1.15; \$2.00 per 10 lbs.; 25 lbs., \$4.00; \$7.75 per 50 lbs.; \$12.75 per 100 lbs.

Fish Oil Soap (Good's Caustic). Used extensively as a tree spray and as a summer remedy for San Jose Scale; it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. Per lb., 30c.; \$1.40 per 5 lbs.; 25 lbs., \$4.75.

Fungicide (Zenke's). For various forms of fungus. Per 8 oz., 30c.; \$3.25 per gal.

Fungine. An excellent remedy for fungous diseases of all kinds. Per $\frac{1}{2}$ pt., 45c.; 75c. per pt.; qt., \$1.15; \$3.25 per gal.

Getz There Soap. Ideal for washing palms and spraying in place of Whale Oil Soap. 2 lbs., 60c.; \$1.75 for 8 lbs.; 25 lbs., \$3.75; 50 lbs., \$7.00.

Grape Dust. A powder preparation used for mildew, aphids, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., \$1.00; \$1.85 per 10 lbs.

Hellebore. The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. $\frac{1}{4}$ lb., 25c.; 40c. per $\frac{1}{2}$ lb.; lb., 70c.; \$3.00 per 5 lbs.

Imp. Soap Spray. An all around outdoor and greenhouse insecticide. Per pt., 65c.; \$1.00 per qt.; gal., \$3.00; \$12.00 per 5 gals.; 10 gals., \$22.50.

Insecticide (Zenke's). A powerful liquid contact insecticide, embodying the most effective elements which destroy most of the class of sucking insects lying on the leaf surface so as to be in reach of actual contact. Per 8 oz., 30c.; \$1.00 per qt.; \$2.50 per gal.

I X L Compound. English preparation for spraying; harmless to very delicate plants. Kills mealy bug, red spider and all insect pests. Per gal., \$6.50.

Kerosene Emulsion (Liquid) (Misible Oil). Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Dilutes 1 part to 20 parts of water. Per pt., 50c.; 85c. per qt.; gal., \$2.50.

Lemon Oil Insecticide. The best and cheapest insecticide in the market. Used by nearly all the leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Per $\frac{1}{2}$ pt., 35c.; 60c. per pt.; qt., \$1.00; \$1.75 per $\frac{1}{2}$ gal.; gal., \$3.00; \$12.00 per 5-gal. keg.

Lime Sulphur. For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring; also for leaf curl of peaches. Per qt., 50c.; 75c. per $\frac{1}{2}$ gal.; gal., \$1.25; \$4.00 per 5 gals.; 30-gal. bbls. at 55c. per gal.; 50-gal. bbls. at 50c. per gal.

Lime Sulphur (Dry Powder Form). Powdered Lime Sulphur is becoming very popular on account of the small expense for shipping. It is instantly soluble in either cold or hot water; dilute 1 lb. to 6 gals. of water; does not separate, keeps indefinitely. Per lb., 35c.; \$1.50 per 5 lbs.; 10 lbs., \$2.00; \$4.00 per 25 lbs.; 50 lbs., \$7.00; \$12.50 per 100 lbs.



CARBONDALE HYDROMETERS

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime-Sulphur solution; one should be in the hands of every man who uses this material. Price, \$1.25. (Postpaid, \$1.35.) With directions.

Mag-O-Tite. Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. Not injurious in any way to plant life, but is a valuable stimulant and fertilizer. In powder form, ready for use. Per 2 lb., 35c.; 60c. per 4 lbs.; 8 lbs., \$1.00; \$2.50 per 25 lbs.; 100 lbs., \$8.50.

MICHELL'S INSECT DESTROYERS, ETC.

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DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE, OR WE SHALL BE PLEASED TO GIVE INFORMATION BY MAIL OR OTHERWISE

Melrosine. An efficient Rose Bug remedy. A powerful and highly concentrated insecticide, used as a spray when diluted with from 20 to 25 times its bulk of water. Per $\frac{1}{2}$ pt., 50c.; \$1.00 per pt.; qt., \$1.75; \$3.25 per $\frac{1}{2}$ gal.; per gal., \$6.00; \$25.00 for 5 gals.

Mo-Lo. A preparation for destroying and driving away moles. Per pkg., 25c.

Nico-Fume (Liquid). This is used in very much the same way as Nicotide. Per $\frac{1}{4}$ lb., 75c.; \$2.25 per lb.; 4 lbs., \$8.00; \$15.00 per 8 lbs. Special price on large quantities.

Nico-Fume Paper. This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. Preferred by many who do not wish to spray or vaporize. Per box of 24 sheets, \$1.35; \$5.50 for 144 sheets; 288 sheets, \$10.00.

Paris Green. A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. It may be used in liquid form, 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound Paris Green to 100 pounds Land Plaster. Per $\frac{1}{4}$ lb., 25c.; 40c. per $\frac{1}{2}$ lb.; lb., 70c.; \$3.25 per 5 lbs.; \$9.00 per 14 lbs.

Potato Scab Destroyer. For treating seed potatoes after cutting the tubers, before planting. A splendid preventative against various diseases that attack potatoes, such as scab-rob, blight, etc.; 1 pt. dilutes to $12\frac{1}{2}$ gals. of water, sufficient to treat $7\frac{1}{2}$ bushels of potatoes. Per pt., 85c.

Protexol (See Carbolineum). For preserving wood, etc.

Pyrox (Bowker's). A combined insecticide and fungicide for all leaf eating insects, blights and fungus troubles; it is a pasty substance, and needs only to be mixed with cold water. Per lb., 50c.; \$2.00 per 5 lbs.; 10 lbs., \$3.25; \$6.75 per 25 lbs.; 50 lbs., \$12.00; \$21.00 per 100 lbs.; 300 lbs., \$60.00.



Rat Corn. For destroying rats and mice in greenhouses, hotbeds, etc.; not poisonous to other animals. 25c., 50c. and \$1.00 per box.

Readeana Rose Bug Exterminator. Used for destroying rose bugs, green fly, mealy bug, blight,

mildew, etc. Harmless to the most delicate plant. Trial bottle, 30c.; 50c. per 8 oz.; 24 oz., \$1.00; \$4.00 per gal.

Scalecide. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. Spray during the winter or early spring when the trees are dormant. Per qt., 75c.; \$1.85 per gal.; 5 gals., \$7.50; \$12.50 per 10 gals.; 30 gals., \$31.50; \$47.50 per 50 gals.

Scale Destroyer (Soluble Oil). For San Jose Scale; 1 gal. dilutes to 20 gals. water. Per qt., 75c.; \$1.75 per gal.; 5 gals., \$7.00

Shoo Fly. For keeping flies off cattle and horses; used with a spray or a sponge; the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 50c.; \$1.35 per gal.

Slug Shot. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. Per 1-lb. canister, 20c.; 60c. per 5 lbs.; 10 lbs., \$1.15; \$2.75 per 25 lbs.; 100 lbs., \$10.50; full barrel lots (about 250 lbs.), 9 $\frac{1}{2}$ c. per lb.

Sulco-V. B. Will control San Jose and other scale insects, and many species of plant lice and fungus diseases. Pt., 45c.; 80c. per qt.; $\frac{1}{2}$ gal., \$1.50; \$2.75 per gal.; 5 gal., \$9.00.

Sulphur Candles. For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 30c. each; per doz., \$3.00; small, 20c. each; per doz., \$2.00.

Sulphate of Copper. For destroying fungus diseases of all kinds; also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds sulphate of copper to 6 pounds lime, which is diluted in 50 gallons of water. Per lb., 15c.; 70c. per 5 lbs.; 10 lbs., \$1.35.

Sulphur. Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale, when it is used in connection with lime and salt. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$2.00 per 25 lbs.; 100 lbs., \$7.50.

Thrip Juice (Hammond's No. 2). This preparation is very effective against aphids, red spider, mealy bugs and sucking insects generally. Per pt., 85c.; \$1.40 per qt.; gal., \$4.25.

Tobacco Dust (For dusting only). Excellent for lettuce and other plants to destroy soft, creeping insects. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$1.75 per 25 lbs.; 50 lbs., \$3.25; \$6.00 per 100 lbs.

Tobacco Dust (Special dusting or fumigating). A specially prepared article. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$1.75 per 25 lbs.; 50 lbs., \$3.25; \$6.00 per 100 lbs.

Tobacco Soap (Sulpho). A combination of tobacco extract and sulphur; fine for washing and spraying plants; dissolve in warm water. Per 3 oz., 15c.; 25c. per 6 oz.; 10 lbs., \$3.50.

Tobacco Stems (Fresh). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 15c.; 40c. per 5 lbs.; bushel, \$1.00; \$1.75 per bbl. sack; large bales at $2\frac{1}{2}$ c. per lb.; $\frac{1}{2}$ ton, \$17.00; \$32.00 per ton.

Tree Bands (Standard). Made of heavy waterproof paper, with a sticky, repellent material under the canopy. Protects trees and large shrubbery against worms, caterpillars, etc.; easily applied. Per 25 foot roll, \$1.75; \$6.75 per 100 foot roll.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 50c.; \$2.40 per 5 lbs.; 10 lbs., \$4.50; \$8.75 per 20 lbs.; 25 lbs., \$10.50.

Vermine. A soil sterilizer, and a germicide. Will destroy maggots, cut worms, grubs, etc. It is usually applied at the time of preparing potting soil. Dilute at the rate of one part to 400 parts of water and thoroughly soak the soil. Per $\frac{1}{4}$ pt., 30c.; 45c. per $\frac{1}{2}$ pt.; pt., 75c.; \$1.10 per qt.; gal., \$3.25.

Worm Destroyer (For Earth Worms). This preparation is made in England, where it is being applied to grass plots, putting greens, etc., with great success. It is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. It acts as a fertilizer as well as worm destroyer.

Michell's Brand. Price upon application.

Carter's Brand. Price upon application.

Worm Eradicator (Reade's Electric). This has been found to effectually destroy worms in greenhouse benches and in potted plants, or for outdoor use in the flower and vegetable garden, or among trees. Per 8 oz., 50c.; \$1.00 per 24 oz.; gal., \$4.00.

Zenke's Insecticide. (See Insecticide.)

Zenoleum. A germicide and disinfectant. Endorsed by forty-four State Experiment Stations and Agricultural Colleges, and the leading live stock men of America. Zenoleum is a concentrated solution of coal tar. It mixes with hot or cold water. It will penetrate deeper and more rapidly than any other disinfectant. Per $\frac{1}{2}$ pt., 35c.; 75c. per qt.; $\frac{1}{2}$ gal., \$1.25; \$2.00 per gal.; 5 gal. can, \$9.50.

Lamps for Vaporizing Nicotine Solutions. 80c. each.

MICHELL'S FLOWER POTS, TUBS, ETC.

Orchid Pan Earthen Fern Pan Fern Dish Liner Seed Pan Wood Fibre Flower Vase



Cedar Tub

Keystone Tub

Earthen Flower Pot

Azalea Pot

Earthen Bulb Pan

Earthenware Saucer

Wood Fibre Saucer

Rolling Stand

CEDAR TUBS

Equipped with Strong Iron Handles

These are made by hand, of the very best white cedar painted green, bound with black iron hoops.

No.	Inside Diam.	Each
No. 0	24 $\frac{3}{4}$ in.	\$12.00
No. 1	23 $\frac{3}{8}$ "	10.75
No. 2	21 $\frac{3}{8}$ "	9.75
No. 3	18 $\frac{1}{16}$ "	8.00
No. 4	16 $\frac{1}{2}$ "	7.00
No. 5	14 $\frac{1}{16}$ "	6.00
No. 6	12 $\frac{1}{16}$ "	5.00
No. 7	11 $\frac{3}{4}$ "	4.25
No. 8	10 $\frac{1}{16}$ "	3.75

MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 25c. per pair, not attached to tub.

No.	Inside Diam.	Depth	Each
No. 1	6 in.	6 in.	\$0.80
No. 2	7 "	7 "	.85
No. 3	8 "	8 "	.95
No. 4	9 "	9 "	1.00
No. 5	10 "	9 "	1.15
No. 6	11 "	10 "	1.40
No. 7	12 "	11 "	1.75
No. 8	13 "	12 "	2.15
No. 9	14 "	13 "	2.50
No. 10	15 "	14 "	2.75
No. 11	16 "	15 "	3.00
No. 12	17 "	16 "	3.65
No. 13	18 "	17 "	4.40
No. 14	19 "	18 "	5.25

ROLLING STANDS for Tubs, Pots, etc.

In.	Weight	Pot	Tub	Each
12 in.	2 lbs.	10 in.	No. 8	\$1.35
14 "	2 $\frac{1}{2}$ lbs.	12 "	" 8	1.60
16 "	3 lbs.	14 "	" 8	2.50
18 "	3 $\frac{1}{2}$ lbs.	16 "	" 7-6	3.00
20 "	"	"	" 5	3.25
22 "	"	"	" 4	3.50

PAPER FLOWER POTS

Ins.	Parcel Post	Weight	100	1000
Diam. per doz.	per 100.	per doz.	100	1000
2 $\frac{1}{4}$...	3 ozs.	2 lbs.	\$0.15	\$0.85
2 $\frac{1}{2}$...	3 "	2 "	.20	.95
3...	5 "	2 "	.25	1.10
3 $\frac{1}{2}$...	7 "	3 "	.30	1.50
4...	8 "	4 "	.35	1.75
5...	15 "	7 "	.50	3.00
6...	2 lbs.	11 "	.65	3.75

AZALEA POTS

Diam.	Depth	Each	Doz.	100
5 in.	4 $\frac{1}{2}$ in.	\$0.07	\$0.78	\$5.94
6 "	5 "	.10	1.08	8.91
7 "	6 "	.17	1.62	14.85
8 "	7 "	.25	2.81	21.45
9 "	7 $\frac{1}{2}$ "	.39	4.32	33.00
10 "	8 "	.52	5.83	44.55
12 "	10 "	1.07	11.88	90.75

FERN DISH LINERS

Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1 $\frac{1}{8}$ in.	\$0.22	\$2.16	\$14.40

SEED PANS (Earthenware)

	Each	Doz.
6 inches square	\$0.97	\$10.80
8 "	1.30	14.40
10 "	1.64	18.14
12 "	1.95	21.60

EARTHEN BULB PANS

	Each	Doz.	100
6 inches diam.	\$0.10	\$1.08	\$8.91
7 "	.17	1.62	14.85
8 "	.25	2.81	21.45
9 "	.39	4.32	33.00
10 "	.52	5.83	44.55
12 "	1.07	11.88	90.75
14 "	1.75	19.44	148.50

WOOD FIBRE FLOWER VASES

No.	Diam.	Depth	Weight	Each
0	8 in.	13 in.	4 lbs.	\$2.25
1	5 $\frac{1}{2}$ "	10 "	2 $\frac{1}{2}$ "	2.00
2	4 $\frac{1}{2}$ "	9 "	1 $\frac{1}{2}$ "	1.80
3	4 "	6 "	1 $\frac{1}{2}$ "	1.60
4	3 "	4 $\frac{1}{2}$ "	3 $\frac{3}{4}$ "	1.35
00	9 "	21 "	6 "	7.00
11	5 "	18 "	4 "	2.75
22	4 $\frac{1}{2}$ "	15 "	2 "	3.00
33	4 "	12 "	2 "	2.25
44	3 "	9 "	1 "	2.00

CUT FLOWER VASES (Galvanized Iron)

No.	Top Diam.	Depth	Cap.	Each
65	7 $\frac{1}{2}$ in.	8 in.	8 Qt.	\$1.10
66	8 $\frac{3}{4}$ "	10 "	10 "	1.35
67	7 $\frac{3}{4}$ "	12 "	12 "	1.35
68	8 $\frac{3}{4}$ "	12 $\frac{1}{2}$ "	14 "	1.45
69	8 $\frac{3}{4}$ "	18 "	16 "	1.65

EARTHEN FLOWER POTS

Height and	Width inside	Each	Doz.	100	1000
1 inch	\$0.03	\$0.19	\$1.48	\$13.50
2 "02	.16	1.23	11.25
2 $\frac{1}{4}$ "02	.18	1.40	12.75
2 $\frac{1}{2}$ "03	.24	1.65	15.00
3 "03	.28	2.14	19.50
3 $\frac{1}{2}$ "04	.35	2.64	24.00
4 "05	.42	3.30	30.00
4 $\frac{1}{2}$ "06	.59	4.45	40.50
5 "07	.78	5.94	54.00
5 $\frac{1}{2}$ "08	.97	7.42	67.52
6 "10	1.08	8.91	81.00
6 $\frac{1}{2}$ "13	1.30	11.88	108.00
7 "17	1.62	14.85	.....
8 "25	2.81	21.45	.....
9 "39	4.32	33.00	.....
10 "52	5.83	44.55	.....
11 "78	8.64	66.00	.....
12 "	1.07	11.88	90.75	.....
14 "	1.75	19.44	148.50	.....

EUREKA POT HANGERS

15c. each; doz., \$1.50; \$11.00 per 100.

KRICK POT HANGERS

No.	Each	Doz.
No. 1	\$0.06	\$0.60
No. 2	.07	.70
No. 3	.08	.80

WOODEN ORCHID BASKETS (Square)

	Each	Doz.
4 inch	\$0.40	\$4.50
10 "	.70	7.00
12 "	.80	9.00

ORCHID PANS (Round) (Earthen)

	Each	Doz.
4 inches diam.	\$0.25	\$2.50
6 "	.35	3.50
8 "	.45	4.50
10 "	.70	7.50
12 "	1.00	11.00

EARTHEN FERN PANS

Width	Height	Each	Doz.	100
4 in.	1 $\frac{1}{8}$ in.	\$0.06	\$0.86	\$4.95
4 $\frac{3}{4}$ "	2 $\frac{1}{8}$ "	.09	1.30	6.60
5 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "	.10	1.44	8.25
6 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "	.12	1.73	9.90
7 "	2 $\frac{5}{8}$ "	.14	2.02	11.55
8 "	3 $\frac{1}{8}$ "	.19	2.74	16.50
9 "	3 $\frac{1}{4}$ "	.23	3.31	19.80

EARTHENWARE SAUCERS

	Each	Doz.	100
4 inches	\$0.04	\$0.43	\$2.48
5 "	.04	.43	3.30
6 "	.07	.72	4.95
7 "	.08	.86	6.60
8 "	.10	1.15	9.08
9 "	.14	1.45	12.38
10 "	.18	2.02	14.85
11 "	.22	2.45	18.15
12 "	.26	2.88	22.28
14 "	.44	4.90	37.13

WOOD FIBRE SAUCERS

Extremely desirable on account of being absolutely waterproof.

	Parcel Post	Weight	Each	Each	Doz.
5 inches	1 $\frac{1}{4}$ lb.	\$0.50	\$5.20	\$5.20
6 "	1 $\frac{1}{4}$ "	.55	5.50	5.50
7 "	1 $\frac{1}{2}$ "	.60	6.00	6.00
8 "	1 $\frac{1}{2}$ "	.65	6.50	6.50
9 "	3 $\frac{3}{4}$ "	.70	7.00	7.00
10 "	3 $\frac{3}{4}$ "	.75	7.80	7.80
12 "	1 $\frac{1}{4}$ lbs.	.80	8.60	8.60
14 "	1 $\frac{1}{2}$ "	1.10	11.20	11.20
16 "	2 "	1.75	19.80	19.80
18 "	2 $\frac{1}{2}$ "	2.10	23.00	23.00
20 "	4 "	3.00	32.00	32.00

Larger sizes can be furnished as complete rolling stands only.

NOTE.—Earthenware cannot be packed for shipment by Parcel Post.

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Price, \$1.75. Wt., 3 lbs.

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No. 13. Wren House.

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No. 61. Wren House.

Swinging.

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No. 23. The Wren "House Beautiful."

Price, \$2.50. P. P. Weight, 4 lbs.



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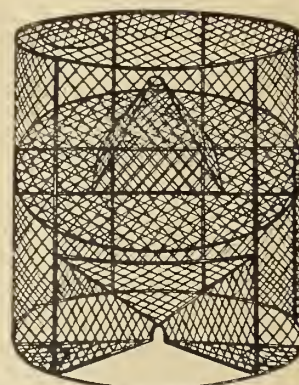
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Canary, Mixed	.15	.70	1.20	
Hemp Seed	.15	.70	1.30	
Millet Seed (Imported)	.12	.55	1.00	
Rape Seed	.15	.70	1.30	
Unhulled Rice	.25	1.10	2.00	
Bird Manna. Keeps Canary Birds in prime condition. Pkg., 15c.				
Cuttle Fish Bone. 10c. each; 1/4 lb., 35c.; \$1.25 per lb.				
Fish Food. For aquariums. 15c. pkg.				
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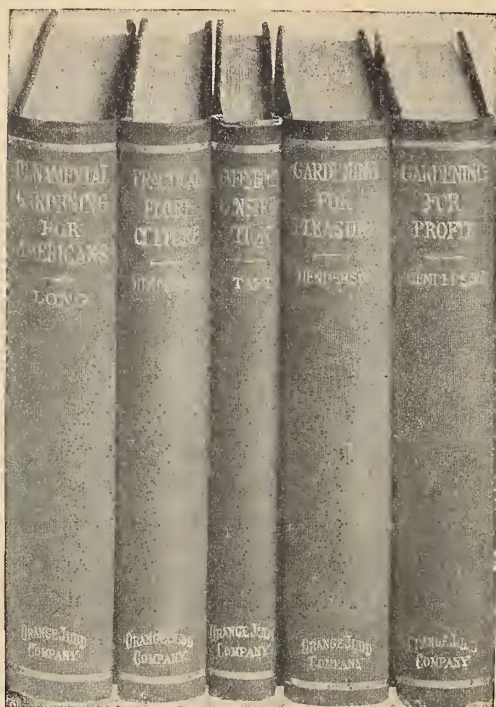
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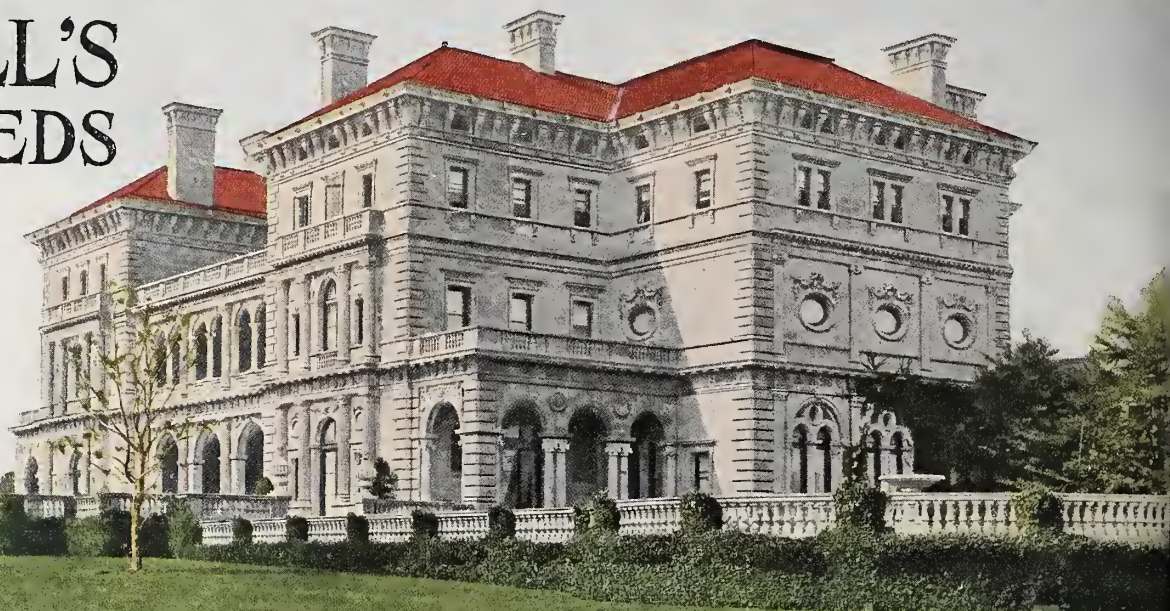


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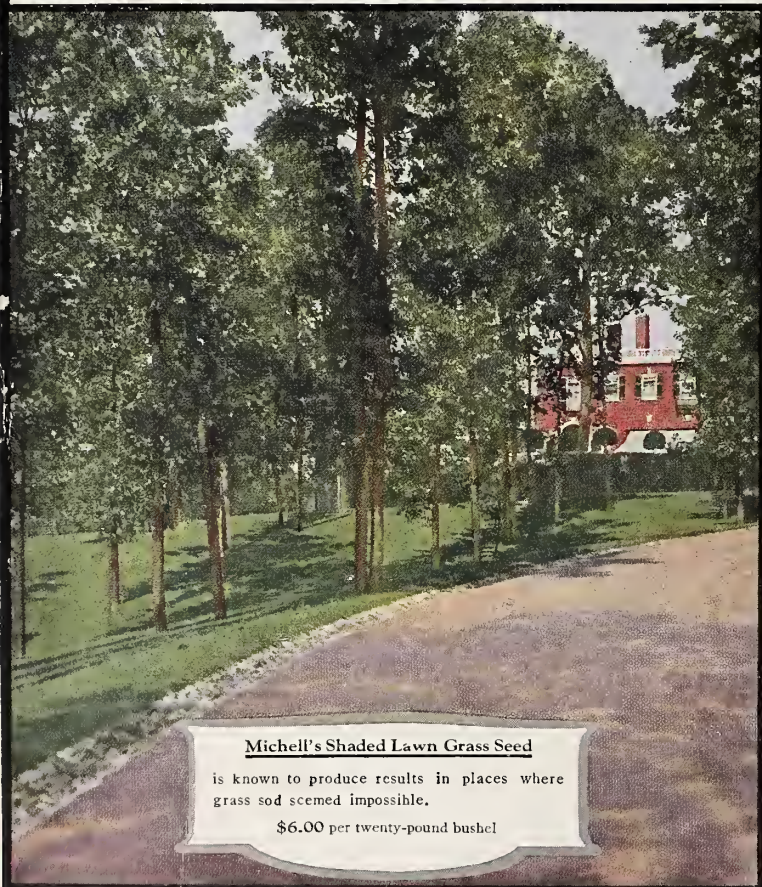


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